CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcements for the current week are the following:

Proposed Work

Offices, Toronto, Ont., King-Adelaide Holding Corp. having plans prepared three buildings, $30,000,000.

Power plants, New York, N. Y., New York Edison Co. having plans prepared addition, $8,550,000.

Theatre, hotel and store, San Francisco, Calif., M. & L. Graf having plans prepared, $5,000,000.

Office commercial and manufacturing, Boston, Mass., Atlantic Building Trust having plans prepared, $4,000,000.

Apartment, Chicago, Ill., Marshall Field Estate having preliminary plans prepared, $4,000,000.

Bus terminal, Phila., Pa., Delaware Bridge Bus Assn. plans, $3,000,000.

Irrigation project, Texas, Trinity Farms Co., Waxahachie, making preliminary plans, $3,000,000.

High schools, Brooklyn, N. Y., Bd. Educ. having plans prepared, $2,584,000.

Bridge, Arkansas City, Ark., E. M. Elliott & associates, Chicago, making preliminary plans, $2,500,000.

Plant, Ft. Worth, Tex., Montgomery Ward & Co. soon takes bids, $2,000,000.

Assembly hall and hotel, New York, N. Y., Salvation Army had preliminary sketches made, $2,000,000.

Apartment, New York, N. Y., J. H. Carpenter having plans prepared, $2,000,000.

Office and garage, Toronto, Ont., D. E. Bennett having plans prepared, $2,000,000.

Hospital, Youngstown, O., Youngstown Hospital Assn. takes bids in spring, $1,500,000.

College, Hamilton, Ont., McMaster University Bd. plans college buildings, $1,500,000.

Seminary, Huntington, N. Y., Catholic Dioceses of Brooklyn had plans prepared, $1,500,000.

Bids Desired

Apartment, Chicago, Ill., W. C. Bannerman & Co. taking bids, $2,000,000.

Distributing plant, Richmond, Calif., F. R. Seaver, taking bids, $1,500,000.

Apartment, Chicago, Ill., M. L. Bein, archt. taking bids, $1,000,000.

Contracts Awarded

Gas pipe line, Louisiana, Arkansas, Missouri, Moody & Seagraves Co. will build with company forces, $20,000,000.

Gas pipe line, Texas, New Mexico, and Colorado; Canada River Gas Co. to Ford, Bacon & Davis, Inc., New York City; also Colorado Inter-State Gas Co. to Ford, Bacon & Davis, Total cost, $16,000,000.

Railways, Missouri, St. Louis & San Francisco R.R. Co. will lay rails by day labor, $3,000,000.

Club house, Detroit, Mich., Embassy Club to C. S. Barry Co. Archts. est. $2,000,000.

Hotel, theatre and apartments, Los Angeles, Calif., J. H. Miller, owner, builder, and archt., will build, $1,825,000.

College, Bronxville, N. Y., Sarah Lawrence College, to Cuzzie Bros., Mt. Vernon. Archts. est. $1,250,000.

Y. W. C. A. Building, Chicago, Ill., Berlin & Swern, archts., to R. F. Wilson Co. Archts. est. $1,000,000.

Paperboard mill, Toronto, Ont., Canadian Paperboard Co., Montreal, to W. J. Trimble. Engrs. est. $1,000,000.

News of the Week

Waterworks

Proposed Work

Tenn., Petersburg—Voted $25,000 bonds, waterworks. Address Mayor.

O., Portsmouth—Water Dept. plans new reservoir supply main and connection from near intake crib to present intake. C. S. Stevenson, city engr.

Ind., Evansville—Bd. Wks., J. C. Males, secy., City Hall, made plans water-works improvements, incl. 20,000 gal. reservoir, pumping station extension, new machinery and electrification pumping apparatus, $1,195,000. Black & Veach, 700 Mutual Bldg., Kansas City, Mo., engrs. Noted Sept. 15.

Mich., Marine City—Plans new water supply, incl. filtration plant, pump house and electrically driven pump. $100,000. Engineer not selected. A. Friederichs, mayor.

Tex., Del Rio — H. B. Jones, Del Rio, purchased plant from East Side Water Co., and plans improving same, incl. new mains, pumping equipment, etc. $30,000 or more.

Wash., Olympia—City Council plans well waterworks. $248,026. C. Signer, city engr.

Wash., Port Townsend—See "Bids Desired."

Calif., Dorris—Making plans 150 water meters and 2- to 6-in. mains in various streets. J. F. Mackey, Mt. Shasta, engr.

Calif., Redwood City—E. M. Kneese, clk. San Mateo Co., takes bids about Dec. 12, 8,550 ft. 2 in. galvanized and 24,190 ft. 4- to 6-in. riveted, Matheson Joint, welded steel or c.i. waterworks, for Ravenswood Water Dist. G. A. Kneese, Courthouse, engr.

Calif., Southgate—See "Sewers."

Ont., Ottawa — Bd. Control instructed Com. Wks. to obtain estimate costs on obtaining water from McGregor Lakes on Quebec side Ottawa River, also mechanical filtration of Ottawa River. A. F. Macallum, City Hall, engr.

Ont., Sarnia — Council plans 12 in. or larger mains with valves, fittings, etc., in connection with waterworks pumping plant. $150,000. W. B. Beatty, City Hall, engr.

Bids Desired

N. Y., Albany—Dec. 5, by Bd. Contr. & Supply, City Hall, foundations and intake for new pumps and building, for Bureau of Water.

N. Y., Brooklyn—Dec. 9, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in Eastern Parkway, Gatling and Kenmore Pls., Avenues T and Y, Autumn, Narrows, 20th and 26th Aves., Hancock, Hubbard, Hendricks Sts., etc., here.

N. Y., New York—Dec. 6, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Boston, Gun Hill, Hunts Point and White Plains Rds., Adee, Arnow, Barrett, Brinsmade, Cedar, Dudley and Duryea Aves., Home, East 172nd, East 228th, West 178th Sts., etc.; also transformer shed at Shafts, Pumping Station, Bronx Boro.

THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.), according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

Pa., Phila.—Dec. 6, by Dept. Pub. Wks., Bureau of Water, 300 single nozzle fire hydrants, Contr. 907; also 30 in. pipe, and connections at Belmont Filters, Contr. 908. G. H. Biles, dir.

Va., Colonial Heights (Petersburg P. O.)—Dec. 6, by Town, C. W. Moorman, clk., waterworks, incl. 21,099 ft. 4- to 12-in. c.i. pipe, 15.4 tons c.i. specials, 52 fire hydrants, etc. J. B. McCrary Eng. Corp., Citizens & Southern Bank Bldg., Atlanta, Ga., engrs.

N. C., Asheville — Dec. 5, by Trustees Beaver Dam Water & Sewer Dist., at office Howerton Eng. Co., engrs., 410 New Medical Bldg., water distribution system; adv. E. N.-R. Dec. 1.

Mich., Vassar—Dec. 15, by G. F. Childs, village clk., trenching and laying 6 and 18 in. c.i. mains, etc., in vicinity road designated M-079-20. $15,000.

Okla., Talihina—Dec. 5, by E. T. Nelson, town clk., improving waterworks, incl. concrete dam, 2,500 cu.yd. excav., 7,500 cu.yd. earth work, 14,000 ft. 6 in. c.i. mains, etc. $50,000-$60,000. Black & Veatch, Mutual Bldg., Kansas City, Mo., engrs. Nov. 24.

Wash., Port Townsend—Dec. 15, by City Council, 12 mi. 30 in. wood or steel pipe line; and takes bids about Jan. 24, remaining 20 mi., pipe line $800,000. Parr & Cunningham, Spaulding Bldg., Portland, Ore., engrs. Noted Sept. 22.

Calif., Manhattan Beach (Manhattan P. O.)—Dec. 15, by City Clerk, 2,250 ft. 4 in. Class "B" c.i. pipe, two 4 in. c.i. tees, three 4 in. c.i. gate valves (150 lb. working pressure), four 4 in. fire hydrants, and 1,000 lb. caulking lead.

Ont., Alexandria—Dec. 15, by D. A. McDonald, town supt., completely equipped deep well or wells sufficient to supply 250,000 imp. gal. water per day. $25,000.

Ont., Hamilton—Dec. 7, by F. F. Treleaven, mayor, City Hall, one 7 ft. 6 in. diam. x 150 ft. high radial perforated brick chimney, one 400 hp. hand fired horizontal tube steam boiler in connection with Beach Waterworks Pumping Station. $25,000-$35,000. W. L. McFaul, City Hall, engr.

Contracts Awarded

N. Y., New York—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Bailey, Baychester, Betts, Castle Hill Aves., etc., to Knight & DeMicco, 448 East Tremont Ave., $14,430. Noted Nov. 10.

N. J., Skillman—C. N. Leathem, archt., State Bldg., Trenton, 250,000 gal. water tower for Skillman Epileptic Village, here, to Petroleum Iron Wks., 25 West 43rd St., New York City, for Institutions and Agencies, Trenton, $19,140. Noted Oct. 13.

Ky., Ashland — Water Comr., 1 m.g. rein.-con. reservoir, etc., to Hatfield Constr. Co., Huntington, W. Va., $24,485. Noted Oct. 13.

Mich., Royal Oak (Ind. br. Detroit)—City, R. J. Whitney, mgr., foundation for 1½ m.g. concrete storage tank, Woodward Ave., in connection with Detroit water supply, to N. A. Star, Royal Oak. Engrs. est. $15,000. Noted Nov. 17.

Minn., St. Paul—A. E. Eggert, city purch. agt., water tower, 133 ft. high, 36 ft. diam., rein.-con. and brick, 200,000 gal. capacity,

See proposal advertising on page 134

TRADE "LEADITE" MARK

Registered U. S. Pat. Office

Even under the most rigorous conditions of service Leadite proves its efficiency

—where a line is subjected to constant vibration the joints must be tight and remain tight

IN installing the 12" bell and spigot bridge line illustrated here the element of constant vibration was a serious consideration.

Leadite was used for jointing and has given perfect satisfaction throughout the 5½ years since this Bridge Line was installed—working pressure approximately 105 lbs. per sq. in.

This water department has laid many miles of cast iron water mains with Leadite joints—sizes 6" to 30"—pressures ranging from 40 pounds to 170 pounds per square inch. They say their experience with Leadite has been extremely satisfactory. Their experience with Leadite extends over 20 years.

The ease with which Leadite can be used is another consideration with waterworks engineers in making their specifications for unusual and difficult installations, as well as for general work.

The speed of jointing with Leadite is of great importance to Contractors in helping them complete their work promptly. From experience they know how much time they can save by using Leadite.

Everywhere waterworks engineers specify and use Leadite for the satisfaction it gives, its safety, security and economy.

Twelve-inch c. i. bell and spigot water main —Bridge Line—over 500 feet long—subject to severe vibration—carrying approximately 105 lbs. pressure per square inch.

Specify and use LEADITE It saves at least 75%

Be sure it is LEADITE and accept no imitations

The pioneer self-caulking material for c. i. pipe. Tested and used for over 30 years.

THE LEADITE COMPANY . . Land Title Building . . PHILADELPHIA, PA.

NO CAULKING

Waterworks (Continued)

in Highland Park, to Feyen Constr. Co., 277 Burgess St., and W. Selby, 85 West Magnolia St., $69,343. Noted Oct. 27.

Colo., Pueblo—D. P. Porter, engr. and supt. Trustees Pueblo Water Works, 319 West 4th St., to Colorado Culvert & Flume Co., c/o J. P. Sanderson, 300 East 8th St., and Arthur & Allen, c/o Arthur Allen, 3rd and Court Sts., 7,840 lin.ft. 42 in. flow line from settling reservoirs to North Side Pumping Station, redwood stove pipe, $50,473; to Arthur & Allen, excavating and backfilling, $8,545; also Trustees Pueblo Water Works, c/o D. P. Porter, supt., owners of project, will install 75 ft. 42 in. steel pipe as specified under railroad tracks, $1,500. Grand total $60,518. Noted Nov. 10.

Calif., Los Angeles—City Water & Power Comn., to Pacific States Cast Iron Pipe Co., Subway Terminal Bldg., 10,000 ft. 6 in. c.i. Class "B" San Pedro, at $0.56 per ft., 80,000 ft. Aqua Siding $0.58, and 160,000 Hewitt St. Spur $0.56, etc.; also to Grinnell Co. of the Pacific, 520 Mateo St., 60,00 ft. 6 in. bell and spigot pipe at $55 58 per C. ft.

Calif., San Francisco—Extending high pressure system, to C. B. Eaton, 715 Ocean Ave., $37,778.

B. C., Vancouver—E. A. Cleveland, engr., 500 Beatty St., 8,400 ft. 20- to 32-in. ⅜ in. lap welded, etc., to Teith, Murray & Co. Ltd., 510 Hastings St. W., $45,618. Noted Oct. 20.

Sewers

Proposed Work

N. Y., Syracuse—Plans sewer in Oswego Thorofare between James and Beldon Aves. N. F. Pitts, Jr., City Hall, engr.

O., Kenmore — Barstow & McCurdy, engrs., Ohio Bldg., Akron, take bids about Jan. 1, 4,000 ft. 39- to 42-in. rein.-con., vitr. clay or segmental block main outfall sewer connecting present sewerage system with proposed sewage disposal plant, here, for City. $100,000.

Mo., Springfield—Making plans approximately 15,000 ft. 18 and 24 in. vitr. clay outfall sewers in various streets. $60,000. Russell & Axon, 408 McDaniel Bldg., engrs.

Ark., Gentry—Plans sewerage system. $30,000. Engineer not selected.

Ark., Hamburg — Making preliminary plans sewerage system. $80,000.

Ark., Mulberry—See "Waterworks."

Tex., Brownsville—Making plans sewer filtration plant. $25,000. Address F. H. Williams, supt. Pub. Wks.

Tex., Carrizo Springs — Voted $38,000 bonds, sewerage system. Address B. L. Jeffrey, mayor.

Okla., Altus—Making plans 17,900 ft. 8 and 18 in. vtir. clay sewers in Russell Addition. $25,000. J. C. Chisum, Altus, engr.

Okla., Amber—Made preliminary plans 4 mi. sewers in all streets. $27,000. C. Riggins, Anadarko, engr.

Okla., Hastings—Made preliminary plans sewerage system. $30,000. Engineer not selected.

Okla., Mooreland—Making plans 4 mi. sewerage system. $25,000. E. A. Jones, Enid, engr.

Okla., Mt. Park—Made preliminary plans 4 mi. sewerage system. $25,000. Engineer not selected.

Calif., Santa Ana—Made plans 1,777 ft. 16 and 20 in. rein.-con., 3,500 ft. 16 and 20 in. concrete, and 11,931 ft. 6 in. vitr. or concrete sewers in South Main and South Bway. Sts., etc.

Calif., Southgate—Made plans 277,968 ft. 6- to 21-in. cement and 2,376 ft. 12 and 15 in. vitr. sewers, 186,586 ft. 2- to 12-in. Class "B" c.i. mains and 48,560 ft. 1- to 2-in. copper pipe water services, etc. in various sections city. E. M. Lynch, Central Bldg., Los Angeles, engr. Noted Sept. 15.

Ont., Toronto—York Twp. plans 4 in. and up vitr. tile sewers in Bramley Grove, Longmuir Pl., Rushton Rd., Florence Crescent, Avalon and Schell Aves., also private connections in Bernice Crescent and Silverthorn Ave. $25,000-$30,000. F. B. Goedike, 40 Jarvis St., engr.

Bids Desired

Mass., Boston — Dec. 2, by Dept. Pub. Wks., sewerage works, concrete conduit in Davenport Brook, Dorchester. $25,000. J. H. Sullivan, comr.

Fla., Avon Park—Dec. 19, by City Council, City Hall, 3.5 mi. 6- to 15-in. sanitary sewers, 1.5 mi. 10 in. c.i. force main, sewage pumping station and disposal plant. E. P. Lacey, city engr. Wiedeman & Singleton, 1404 Candler Bldg., Atlanta, Ga., engrs.; adv. E. N.-R. Dec. 1.

La., New Orleans—Jan. 23, by Sewerage & Water Bd., at office A. G. Moffat, secy., 526 Carondelet St., pumps and check valves for River Pumping Station. G. G. Earl, genl. supt.; adv. E. N.-R. Dec. 1.

La., Vivian—Dec. 6, by Mayor, complete sewerage system. $80,000. C. D. Evans, Levy Bldg., Shreveport, consult. engr. Noted Feb. 17.

Wash., Port Angeles—See "Excavation, Drainage, Irrigation, Levees, River and Harbor."

Contracts Awarded

W. Va., Huntington—For 2 ring brick sewers, etc. in 13th St., to S. R. Bishop & Co., Huntington, $36,645.

O., Akron—W. F. Peters, dir. Pub. Serv., 200 ft. 8- to 24-in. and 3,130 ft. 30- to 66-in. segmental block sewer in Mull Ave., also 2,600 ft. 36- to 54-in. segmental block sewer in West Tallmadge Ave., to F. Basile, 121 North Walnut St., $35,319 and $40,416 respectively. Engrs. est. $52,000 and $53,000 respectively. Noted Sept. 29.

O., Akron—W. F. Peters, dir. Pub. Serv., Cuyahoga River Outfall Sewer, 8,340 ft. 90 x 140 in. brick pipe, to T. E. McShaffrey Constr. Co., 173 South Forge St., $581,234. Engrs. est. $719,500. Noted Oct. 20.

O., Cincinnati — Brick sewer in ravine from sewer west of Stettimius Ave. to Duck Creek Sewer, to R. F. Runck, 1411 1st Natl. Bank, $21,228. Engrs. est. $25,000.

O., Cincinnati—C. O. Sherrill, city mgr., City Hall, 1,280 ft. 30 in. brick sewer in ravine south of Yoast St., to J. J. Welling, 2943 Lischer Ave., $24,150. Engrs. est. $32,550. Noted Oct. 13.

Mich., Ann Arbor—Washtenaw Co., extending Pittsfield-Ann Arbor Drain, 857 ft. monolithic concrete cylinder, 17 ft. diam., to R. A. Mercier, 5435 Wesson Ave., Detroit, $55,000.

Mich., Grosse Ile — G. A. Dingeman, County Bldg., Detroit, constructing Grosse Ile Drain 2, 10,072 ft. 12- to 42-in. covered tile drain, brick and concrete manholes, septic tank, etc., here, to T. D. Nolan, 14101 Plymouth Ave., Detroit, for Wayne Co. (Detroit). $30,593.

Ill., Chicago — Bd. Local Impvts., Room 207, City Hall, tile sewers with brick manholes in sections East and West 22nd St., to C. Fosco, 908 South Irving Ave.; tile sewers with brick manholes and brick catch basins in portion West 19th St., to G. Anderson, Chicago, in portion Archer Ave., to E. Till, 5475 Hirsch St., and in portion Ewing Ave., to F. Peyrot, 4207 Marmora Ave. Noted Nov. 10.

Wis., Lake (St. Francis P. O.)—Sewers in Plainfield, Oklahoma, Howard Aves., et al., to Wenzel & Henoch Co., 498 27th St., Milwaukee, $32,837.

Ark., Corning — Comrs. Sewer Impvt. Dist. 1, 23,000 ft. 8- to 15-in. vitr. clay pipe, 25 each manholes and lamp holes, 10 flush tanks, etc., to Rowan & Rickard, 6 Natural Gas Bldg., Pine Bluff, $20,746. Noted Nov. 17.

Tex., Houston—Sewers in Shepherd Dr., South Blvd. and South Reinerman and other streets, to Dellone Constr. Co., Magnolia Bldg., Dallas, $284,678. Noted Sept. 15.

Tex., Houston—City, c/o O. F. Holcomb, mayor, sewers in Shepherd Dr. from Westheimer road to Buffalo Bayou, to Tellepsen Constr. Co., 3900 Clay Ave., $121,629. Engrs. est. $175,000. Noted Nov. 24.

Tex., Pampa—City, c/o Secretary, approximately 15 mi. sewers in various streets and disposal plant, etc., to Jordan Constr. Co., Plainview, $100,000. Noted Aug. 4.

Ont., Toronto—Rein.-con. activated sludge sewage disposal plant in connection with North Toronto Sewerage System, to Kilmer & Barber, 10 Adelaide St. E., $498,724.

Ont., Toronto—York Twp., laying 2,000 ft. 33 in. concrete sewer in various streets, to McNamara Constr. Co., 53 Yonge St., $35,443.

Bridges

Proposed Work

Miss., Vicksburg — Vicksburg Bridge & Terminal Co., c/o H. E. Bovey, pres., 1263 Agnes Pl., Memphis, Tenn., takes bids about Dec. 1, bridge over Mississippi River, here, Contr. 1, substructure for main bridge and east approach, 48,000 cu.yd. excav., etc., Contr. 2, superstructure for main bridge and east approach, 10,000 tons steel, etc., Contr. 3, substructure for west approach, 5,000 cu.yd. concrete, etc., Contr. 4, superstructure for west approach, 2,600 tons carbon steel, Contr. 5, west approach earthwork, 550,000 cu.yd. excav., etc., Contr. 6, east approach earth work, 48,000 cu.yd. excav., 37,000 cu.yd. railroad fill, also 200 ft. railroad tunnel. Harrington, Howard & Ash, Orear-Leslie Bldg., Kansas City, Mo., engrs. Noted Apr. 21.

Tennessee—State Dept. Highways & Pub. Wks., Nashville, takes bids about Dec. 15, 3 rein.-con. bridges between Jackson and Henderson, Chester Co.; also concrete and steel bridge over Clinch River, on State Rd. 66, Hancock Co. C. N. Bass, Nashville, comr.

Ia., Ft. Madison—Lee Co. making plans two each 80 ft. and 200 ft. steel span bridge over Skunk River on primary road, north of here. $80,000. J. S. Morrison, Ottumwa, dist. engr.

Minn., Blackberry — T. Erskine, aud. Itasca Co., Grand Rapids, making plans concrete bridge over Mississippi River, here. H. A. LeSueur, Grand Rapids, co. highway engr.

Kan., Kingman — Kingman Co. made plans twelve 30 ft. span bridge, 24 ft., roadway, on Federal Aid Project 341-B. C. C. Martin, Kingman, co. engr.

Nebraska and Iowa—Washington Co., A. C. Martin, clk., Blair, Neb., plans toll bridge over Missouri River, on Lincoln Highway, connecting Fremont, Neb., and Missouri Valley, Ia. $400,000.

S. D., Buffalo—State Hy. Comn., Pierre, making plans bridge over Little Missouri River, Harding Co., near here. $25,000. O. N. Hetle, Pierre, highway engr.

Mo., Arrow Rock—E. M. Elliott & associates, 360 North Michigan Ave., Chicago, Ill., making preliminary plans rein.-con. and steel bridge over Missouri River, on U. S. Highway 40, here. $1,000,000. Private plans.

Mo., Herman—E. M. Elliott & associates, 360 North Michigan Ave., Chicago, Ill., take bids early in 1928, rein.-con., steel and timber bridge over Missouri River, to carry State Highway 45, here. $1,000,000. Private plans. Noted Apr. 7.

Mo., Miami—E. M. Elliott & associates, 360 North Michigan Ave., Chicago, Ill., making preliminary plans rein.-con. and steel bridge over Missouri River, on State Rd. 41, here. $1,000,000. Private plans.

Ark., Arkansas City — E. M. Elliott & associates, 360 North Michigan St., Chicago, Ill., making preliminary plans rein.-con. and steel bridge, approximately 2 mi. earth fill approach, etc., over Mississippi River, here. $2,500,000. Private plans.

Texas—E. C. Tobey, chn. Navigation & Canal Comrs., Tarpon Inn, Freeport, takes bids early in January, bridge over Brazos River Diversion Channel, for Brazos River Harbor Navigation Dist., Brazoria Co. Harrington, Howard & Ash, Kansas City, Mo., consult. engrs.; adv. E. N.-R. Dec. 1.

Tex., Port Arthur—City, c/o J. P. Logan, mayor, made plans and soon takes bids vertical lift bridge with horizontal clearance of 180 ft. over Taylor Bayou $171,000, or swing type bridge with horizontal clearance 180 ft. $141,000. J. W. Billingsley, Interstate Bldg., New Orleans, La., consult. engrs., L. G. Frost, Port Arthur, consult. engr. of company.

Oklahoma—State Hy. Comn., Oklahoma City, making plans 2 span 96 ft. rein.-con. trestle over Marble Creek, on Highway 17, Marble City, Sequoyah Co. $27,500, 4 span 160 ft. concrete bridge over Christie Creek, on Highway 27, near Westville, Adair Co. $40,000, 70 ft. concrete I-beam bridge over Missouri, Kansas & Texas R.R. tracks near North McAlester, Pittsburg Co. $33,000, 80 ft. steel truss span bridge over Hopeton Creek, Highway 15, Capron, $35,000, and 88 ft. steel truss bridge over Mocassin Creek, Highway 64, Avard, $40,000, both Woods Co. C. R. Mandigo, Capitol, state highway engr.

Okla., Apache—State Hy. Dept., Oklahoma City, making preliminary plans 2 span 140 ft. steel truss bridge on piers over Box Elder Creek, on Road 9, Caddo Co., near here. $35,000. C. R. Mandigo, Capitol, Oklahoma City, engr.

Okla., Maud—Pottawatomie Co., Tecumseh, making preliminary plans 4 span 340 ft. steel truss bridge on piers over North Canadian River, near here. $32,000. F. D. Brown, Shawnee, engr.

Okla., Maud—Pottawatomie Co., Tecumseh, making preliminary plans 1 span 90 ft. steel truss bridge on piers over Salt Creek, south of here. $25,000. F. D. Brown, Shawnee, engr.

Bids Desired

N. Y., Croton Lake—Dec. 8, by A. Goldman, comr. Plant & Structures, Municipal Bldg., New York City, reinforcement and

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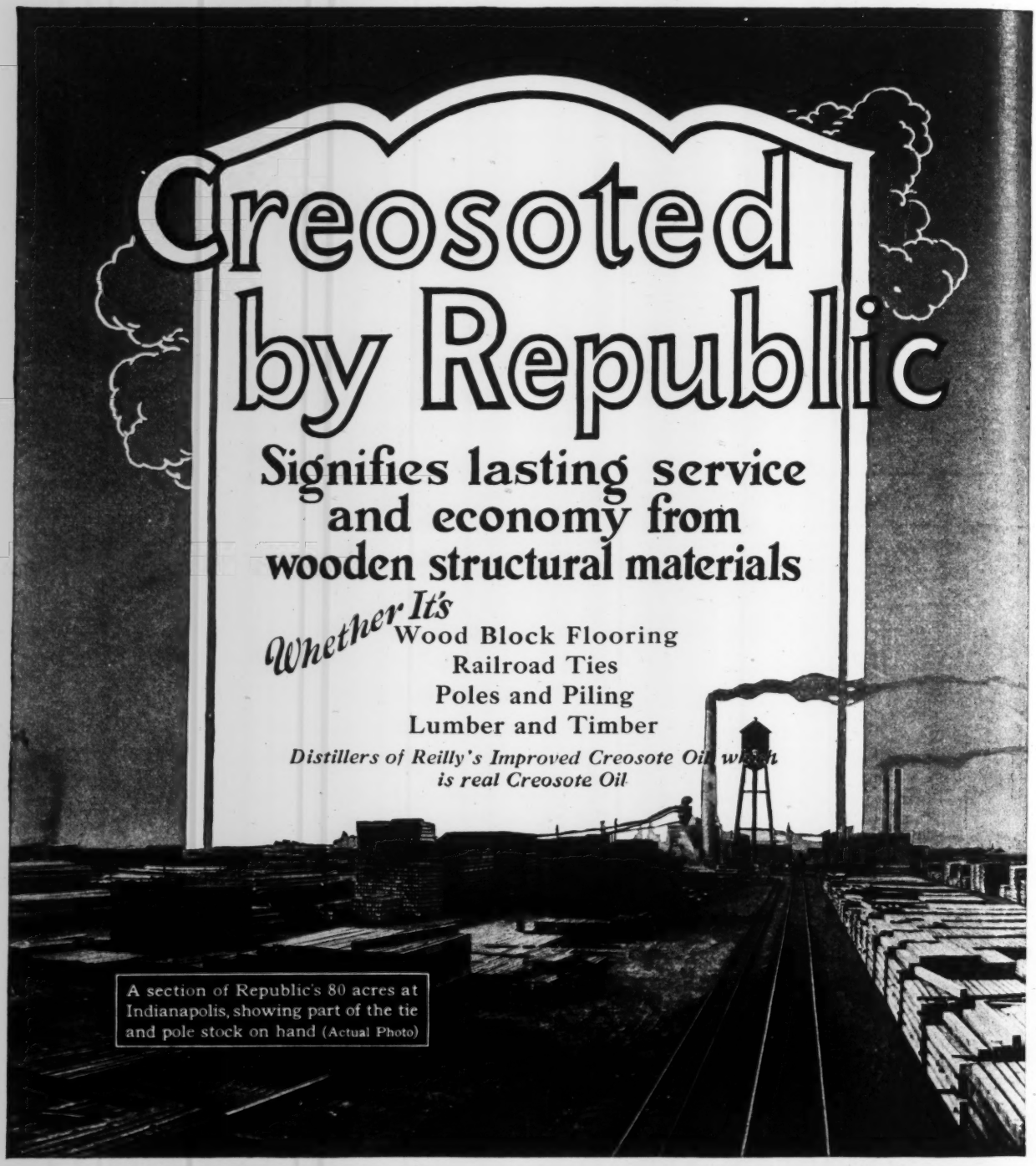
Creosoted by Republic

Signifies lasting service and economy from wooden structural materials

Whether It's
Wood Block Flooring
Railroad Ties
Poles and Piling
Lumber and Timber

Distillers of Reilly's Improved Creosote Oil which is real Creosote Oil



A section of Republic's 80 acres at Indianapolis, showing part of the tie and pole stock on hand (Actual Photo)

Republic Creosoting Co.

The Oldest and Largest Commercial Creosoter

Home Office and Plant Indianapolis Indiana

OTHER PLANTS

ST. LOUIS PARK, MINN. SEATTLE, WASH. MOBILE, ALA. NORFOLK, VA. SALT LAKE CITY, UTAH

Bridges (Continued)

reconstruction Pines Bridge over Croton Lake, here.

N. Y., Mexico—Dec. 15, at office E. A. Howard, supt. highways Oswego Co., County Clerk's Bldg., Oswego, single span, rein.-con. arch bridge across Little Salmon River, here. Concrete-Steel Eng. Co., Park Row Bldg., New York City, designing engrs.; adv. E. N.-R. Dec. 1.

Pa., Media—Dec. 13, by G. T. Wadas, controller Delaware Co., constructing Bridge 72, known as Lindbergh Bridge over Darby Creek, between Clifton Heights Boro and Upper Darby Twp.; adv. E. N.-R. Dec. 1.

South Carolina—Dec. 13, by State Hy. Dept., Columbia (**F.A.P. means Federal Aid Project and S.P. State Project**), 675 ft. concrete and treated timber bridge, on Route 21, F.A.P. 111-C, Bamberg and Orangeburg Counties; 198 ft. concrete bridge over Little Pee Dee River, also widening three existing bridges, on Route 5, S.P. 654-A, Dillion Co.; 275 ft. bridge on Route 17, F.A.P. 227-A, Florence Co.; two 170 ft. overhead bridges over Columbia, Newberry and Laurens R.R., tracks on Route 2, F.A.P. 264, Newberry Co.; 200 ft. bridge over Chauga Creek, Route 18, S.P. 635-A, and 75 ft. creosoted timber bridge, on Route 182, S.P. 648, both Oconee Co. B. M. Sawyer, Columbia, ch. highway comr.

Tennessee—Dec. 16, by State Dept. Highways & Pub. Wks., Nashville, 8 bridges over 20 ft. span on State Highway 44, Project 195-B Carroll Co., 3 bridges over 20 ft. span on State Highway 5, Project 214-A Chester Co., 7 bridges over 20 ft. span on State Highway 5, Project 214-B Madison Co., 4 concrete deck girder bridges on State Highway 2, Project 170-B Marion Co., 1 concrete and steel bridge over Richland Creek, State Highway 15, Project 180-C Giles Co., 1 concrete deck girder bridge on State Highway 51, Project 334-C Marshall Co., 6 concrete, timber and steel bridges on State Highway 21, Project 364-C Obion Co., 1 concrete and steel bridge over Clinch River, on State Highway 66 Hancock Co., and 1 concrete and steel bridge over Little Tennessee River, on State Highway 64, Monroe Co. C. N. Bass, highway comr.

Ohio—Dec. 9, by G. F. Schlesniger, dir. Hys. & Pub. Wks., Columbus, grading and twin span concrete bridge on Sect. "L" Chillicothe-McArthur Rd., Vinton Co., $17,-171; grading and concrete arch bridge on Sect. "F-3" Lima-Spencerville Rd., Allen Co., $84,719; bridges on Sect. "O" Ohio River Rd., $6,662, and on Sect. "E" Jackson-Gallipolis Rd., $25,848, both Gallia Co.

Kan., Howard—See "Streets and Roads."

Tex., Batesville.— See "Streets and Roads."

Tex., Belleville—Dec. 6, by R. A. Thompson, state highway engr., Austin, concrete pile bridges on Highway 73-A, Austin Co. here. $50,000.

Tex., Chapel Hill—Jan. 6, by State Hy. Dept., Austin, rein.-con. bridge over Brazos River, near here, for Washington Co., c/o S. Lowe, co. judge, Brenham. $315,000. Noted Sept. 15 under "Texas."

Tex., Graham—Young Co., c/o W. F. Parsley, co. judge, taking new bids 60 ft., 80 ft., and 140 ft. steel span vehicular bridge over Clear Fork Brazos River. $125,-000. G. R. Johnston, Graham, engr. Noted Nov. 17.

Tex., New Braunfels — City, H. H. Trietsch, mayor, Comal Co., C. Roeper judge, Missouri, Kansas & Texas R.R. of Texas, F. Ringer, ch. engr., Dallas, taking bids and open same about Dec. 15, two 28 ft., two 56 ft., two 60 ft. and one 64 ft. span cantilever girder design or light I-beam and seven 40 ft. span concrete bridge incl. 80 ft. underpass over Comal Creek, on Highway 46. $87,000. G. G. Wickline, Austin, engr. Noted Nov. 17.

Tex., Palestine—See "Streets and Roads."

Arizona—See "Streets and Roads."

California—Dec. 12, by State Hy. Dept., Sacramento, widening 8 rein.-con. bridges at points between 3 and 12 mi. south of Merced, Merced Co. R. M. Morton, Strub Bldg., Sacramento, engr.

Contracts Awarded

N. J., Newark—State Hy. Comn., Trenton, 500 ft. concrete and steel viaduct, etc., on Sect. 13, Route 1 extension, here, to O'Neill Co., 127 East' Mermaid Lane, Phila., Pa., $947,415. Noted Nov. 10.

Miss., Winona—See "Streets and Roads."

La., Lake Charles — State Hy. Comn., Baton Rouge, repairing bridge over Calcasieu River, near here, to Brown Abbott Co., Inc., Wilson Bldg., Dallas, Tex. $32,382.

O., Cleveland—Cleveland Union Terminal Co., H. D. Jouett, ch. engr., Marshall Bldg., 140 ft. rein.-con. bridge, 200 ft., on Central Ave., to D. Lowensohn Constr. Co., 8810 Woodland Ave. Engrs. est. $250,000.

Mich., Monroe—City Comn., 211 ft. 5 span rein.-con. rib cantilever type bridge, on Monroe Ave., to W. H. Knapp Co., Eagle Bldg., $70,444. Noted Nov. 10.

Illinois—State Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, bridges on Route 55, Sect. 551-B, Cook Co., to Green-Mullenbruck & Nagel, Inc., 105 West Monroe St., Chicago, $13,293; on Route 160, Sects. 134-B and C, Madison Co., to Chernus Constr. Co., Sioux City, Ia., $30,-475; on Route 64, Sect. 130-B, Du Page Co., to Ferguson Constr. Co., 218 East State St., Rockford, $9,342; on Route 2, Sect. 17-Y, Pulaski Co., to G. H. Goodlink, Lawrenceville, $2,196, on Route 10, Sect. 36-B, Vermilion Co., to Vincennes Bridge Co., Vincennes, Ind., $22,180; on same road Sect. 36-C, to R. McCalman, Inc., Danville, $26,553. Grand total $104,038. Noted Oct. 20.

Iowa—State Hy. Comn., Ames, (**B. P. means Bridge Project**), two 200 x 20 ft. high truss spans and two 120 x 20 ft. high truss approaches on U. S. Highway 30, B. P. 30, Boone Co., to A. Olson Constr. Co., Waterloo, $77,900, one 40 x 24 ft. I-beam bridge and 50 culverts on Primary Road 149, B. P. 130, Iowa Co. to M. O. Burnett, Marengo, $29,439, one 120 x 20 ft. high truss bridge and 30 culverts on Primary Road 16, B. P. 169, Madison Co., to F. O. Akin, Corning, $43,000; one 150 x 20 ft. high truss bridge with six 40 x 20 ft. I-beam approach spans and 19 culverts on Sutherland Rd., B. P. 69, O'Brien Co., to H. Noel, Peterson, $11,978, one 10 x 14 x 48 ft. box culvert on Council Bluffs Rd., B. P. 96, Pottawattamie Co., to W. Emmet Shoppe, Jefferson, $4,690; widening 32 x 18 ft. I-beam bridge to 24 ft. roadway, on B. P. 280, Pottawattamie Co., to Wickham Bridge & Pipe Co., Council Bluffs, $2,350. Grand total $169,357. Noted Nov. 3.

Ia., Davenport—City and Chicago, Rock Island & Pacific R.R. Co., La Salle St. Station, Chicago, Ill., C. A. Morse, ch. engr., one 140 ft. truss and two 16 ft. beam spans for double track bridge over Pershing and 4th Sts., to Cedar Rapids Constr. Co., 130 Higley Bldg., Cedar Rapids, Ia., $120,000.

Kan., Topeka—See "Streets and Roads."

Tex., Kerrville—See "Streets and Roads."

California — State Hy. Comn., Sacramento, one 90 ft. steel deck truss and one 35 ft. concrete girder span bridge over Shotgun Creek, point 3½ mi. south of Sims, Shasta Co., to E. B. Skeels, Roseville, $19,-902, engrs. est. $19,435; also widening rock borders 8.7 mi. roadway between Los Banos and Merced Co. line, to Larsen Bros., Livermore, $17,430, engrs. est. $21,-980. Noted Oct. 27.

B. C., Wardner—Dept. Pub. Wks., Victoria, three 164 ft. steel truss span bridge over Kootenay River, here, to J. Coughlan & Sons Ltd., 1st Ave. and Columbia St., Vancouver, for Provincial Govt., Vicotria. $75,000. Noted Oct. 20.

Railways

Proposed Work

Vermont—Canadian Natl. Ry., 230 St. James St., Montreal, Que. C. S. Gzowski, ch. engr. (Constr.), made preliminary estimates covering work to be done as result of floods on following lines: Rutland Ry. $500,000, St. Johnsbury & Lake Champlain R.R. $900,000, Montpelier and Wells River R.R. $525,000, White River R.R. $300,000, and Springfield (Vermont) terminal $125,-000, here.

New York—Albany Port Dist. Comn., Albany, plans 3 mi. railroad from docks under construction in Albany Port Dist. to New York Central R.R. in Rensselaer with Delaware & Hudson and West Shore in Albany. Noted Feb. 3 under "Unclassified."

Oklahoma — Chicago, Rock Island & Pacific R.R. Co., C. A. Morse, ch. engr., Chicago, Ill., making preliminary plans second track between Wewoka and Lima, incl. 90 lb. rails, here. $250,000.

Manitoba — Canadian Natl. Ry., 230 St. James St., Montreal, Que., C. S. Gzowski, ch. engr. (Constr.), plans 85 mi. railway near The Pas at Mile 8 on Hudson Bay Ry. to Flin Flon mining area in Winnipeg, here. $3,500,000.

Contracts Awarded

Missouri — St. Louis & San Francisco R.R. Co., F. G. Jonah, ch. engr., St. Louis, will lay approximately 200 mi. 110 pound rails at various points along system in 9 southwestern and southern states, by day labor. $3,000,000.

Excavation, Drainage, Irrigation, Levees, River and Harbor

Proposed Work

Massachusetts — Boston & Maine R.R., W. J. Backes, ch. engr., Boston, plans filling in Mills River Basin and portion Charles River, also constructing drains and sea wall in Boston, Cambridge and Somerville. To exceed $15,000.

Miss., Jackson — Voted $50,000 bonds, drainage and flood control work. W. A. Scott, mayor.

Ia., Fairfield—Dist. 6 of Cedar Creek, c/o Auditor Jefferson Co., making preliminary plans approximately 7 mi. drainage work, incl. approximately 300,000 cu. yd. excav.

Ia., Leon—Grand River D. D., c/o Auditor Decatur Co., making preliminary plans approximately 4.13 mi. drainage work, 340,000 cu.yd. excav. M. G. Hall, Centerville, engr.

Texas—Trinity Farms Co., Waxahachie, making preliminary plans 160,000 acre ft. water for 3 irrigation projects from Trinity River watershed, in Henderson, Anderson, Freestone and Navarro Counties. $3,000,000. Private plans.

Tex., Garwood—W. S. Lehrer plans irrigating several acres land in Fort Bend Co., using 25,000 acre ft. water, etc. from Brazos River. $75,000. Private plans.

Tex., Palestine—Levee Dist. 1, Anderson Co., making preliminary plans rebuilding drainage system for levee section, replacing wood drains with iron pipe, etc. $75,-000. Private plans.

Calif., Benicia — Benicia Reclamation Dist. plans reclaiming tide lands, installing storm drains, etc., in various streets.

Calif., San Ysidro—Tia Juana Irrigation Dist. making plans pumping plant, reservoir, pipe lines, etc. $250,000. J. H. Chase, Jackson Bldg., Riverside, engr.

Bids Desired

N. Y., Brooklyn—Dec. 7, by J. J. Byrne, pres. Brooklyn Boro, Boro Hall, dredging in Fresh Creek Basin, Paerdegat Basin and Hendrix St. outlet channel.

Ill., Arthur—Dec. 10, by Commissioners D. D. 2, Town of Lowe, Moultrie Co., at office J. S. Pribble, town clerk, Arthur, 19,700 ft. ditch work, incl. 12,758 cu.yd. excav., etc., near here.

Minn., Good Thunder—Dec. 16, at office C. L. Kennedy, aud. Blue Earth Co., constructing D. D. 73, 6.5 mi. 8- to 20-in. tile. W. C. Minks, chn. co. board.

Ark., Piggott — Dec. 6, by Bd. Comn., Subsidiary D. D. 21, of St. Francis Dist., M. D. Robbins, pres., constructing approximately 500,000 cu.yd. drainage ditches, Clay and Green Counties. J. R. Rhyne, Corning, engr. Noted Aug. 4.

Mo., Bloomfield—Dec. 7, by A. C. Spiker, engr. D. D. 39, Stoddard Co., known as G. W. Kruse et al Drainage District, constructing ditch, etc., 26,423 cu.yd. excav.

Wash., Port Angeles — Dec. 7, by City Comrs., 190,000 cu.yd. fill, 219,000 ft. bulkhead lumber, 1,500 cu.yd. gravel, 800 lin.ft. sewer pipe, etc., for waterfront fill. T. W. Owen, Port Angeles, engr.

Calif., Proberta—O. R. Smith, secy. El Camino Irrigation Dist., taking bids approximately 22 mi. 8- to 14-in. concrete pipe with surges, etc., Contr. 8; also drilling and casing approximately 2 wells 80 ft. of 16 in. and 220 ft. 12 in. well casing, etc., Contr. 7.

Ont., Parkhill—Dec. 9, by O. Amos, clk. McGillivray Twp. excavating or dredging 191,000 cu.yd. Aux Sables River Drain. $45,000. F. W. Farncomb, London, engr. Noted May 12.

Contracts Awarded

O., Cleveland—New York, Chicago & St. Louis R.R. Co., A. C. Harvey, ch. engr., Columbia Bldg., 1,791 ft. concrete retaining wall, to Industrial Constr. Co., 308 Euclid Ave. Noted Oct. 6.

Illinois—Drainage Comrs. Union D. D. 1, Hamilton Twp., Lee Co. and Hahnaman Twp., Whiteside Co., redredging 7½ mi. channel Green River, 465,000 cu.yd. excav., to McWilliams Dredging Co., McCormick Bldg., Chicago, approximately $80,000. Noted Oct. 20.

Calif., Grass Valley — B. W. Baldwin, secy. Nevada Irrigation Dist., metal flume, corrugated culverts, etc., to California Corrugated Culvert Co., Berkeley, $22,694; and

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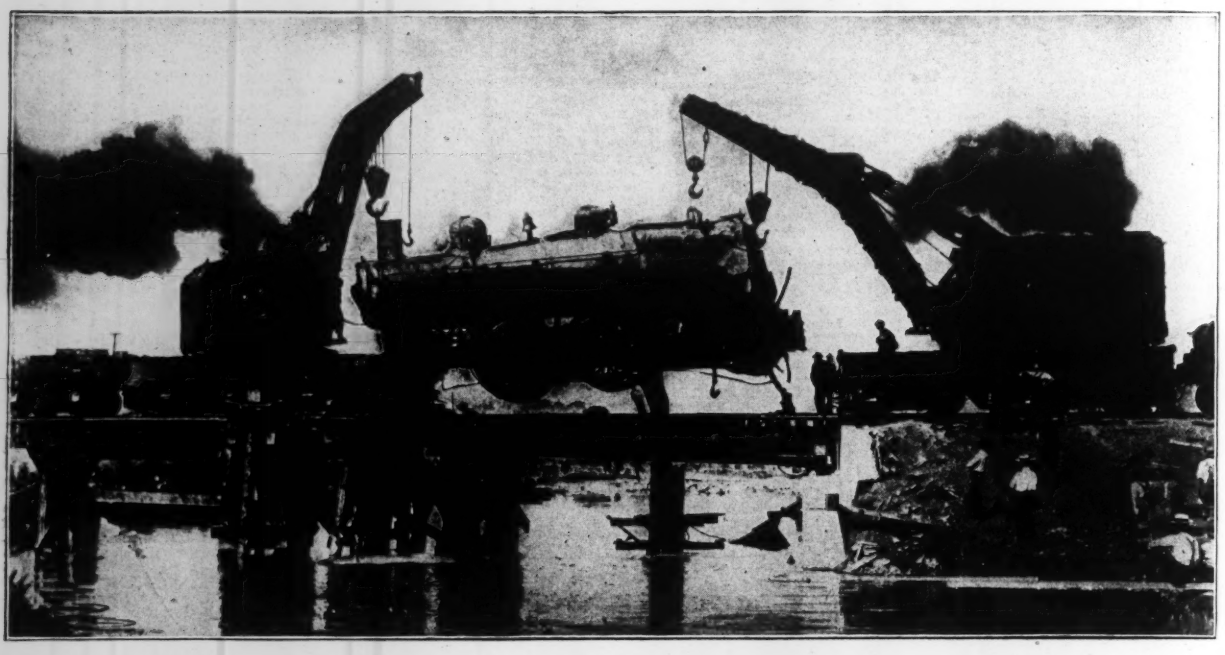

Industrial and Brownhoist were the originators of the locomotive crane industry in this country. Today there are thousands of these cranes in use—far more than any other make. ¶The advantages of mere numbers are unimportant, but the knowledge gained from long experience can be obtained in no other way. ¶Today Industrial Brownhoist offers you by far the most complete line of similar equipment ever manufactured by one company; locomotive cranes ranging from 7½ to 60 tons, wrecking cranes from 75 to 200 tons, and shovels of ½ to 1¼ yards capacity. ¶Getting the right crane or shovel, the one best size and type for your work, is your best guarantee of satisfactory, economical handling. And Industrial Brownhoist is best qualified to furnish this for you.

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INDUSTRIAL BROWNHOIST

Excavation, Drainage, Irrigation, Levees, River and Harbor (Continued)

constructing D-S canal under Contr. 26, to Morrison-Knudsen Co., 319 Bway., Boise, Idaho, $152,326. Noted Nov. 3.

Calif., Richmond—City, riprap on Ford Fill and Gilmore Fill at Inner Harbor, to Healey-Tibbetts Constr. Co., 64 Pine St., San Francisco, $31,450.

Ont., Port Arthur—Canadian Natl. Rys., New Union Sta., Toronto, removing 25,000 cu.yd. rock for terminal yards, here, to W. S. Tomlinson Ltd., Winnipeg, Man., $80,000.

Streets and Roads

Bids Desired

N. Y., Buffalo — Dec. 5, at office Dept. Pub. Wks., J. J. Love, comr., Municipal Bldg., grading and paving Juniata St.; also repaving Webster Alley, Ketchum Pl., Smith St. and Woodward Ave.

N. Y., New York—Dec. 7, by H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., constructing roadway from Bronx River Parkway (Bronx Blvd.) in vicinity East 229th St. and crossing over Bronx River on an arched bridge and under New York Central & Hudson River R.R. tracks, and East 233rd St., connecting with Bronx River Parkway near 233rd St., Sect. 1; sheet asphalt on concrete repaving East 187th St.; sewer in Arnow and Mathews Aves.; and reconstructing retaining wall along easterly side Sheridan Ave. from East 153rd to East 161st Sts.

N. J., Eatontown—Dec. 21 (extended date), by Bd. Freeholders Monmouth Co. (Freehold), rein.-con. paving 100,000 sq.yd. Shore Relief Rd. from Eatontown to Asbury Ave., Ocean Twp., here. G. K. Allen, Jr., 60 Broad St., Red Bank, co. engr.; adv. E. N.-R. Dec. 1. Noted Nov. 3.

Pennsylvania — Dec. 16, by State Hy. Comn., Harrisburg, grading 505 ft. Route 381, Berks Co.; bituminous treated macadam paving 23,000 ft. Heidelberg-South Lebanon Rd., Lebanon Co.; and one course rein.-con. paving, etc., approximately 92,739 ft. 8 projects in Blair, Clearfield, Crawford, Mercer, Monroe, Morris, Huntingdon and Westmoreland Counties. J. L. Stuart, secy.; adv. E. N.-R. Dec. 1.

Md., Baltimore—Dec. 7, by Bd. Awards, sheet asphalt paving 7,080 sq.yd. streets listed in Contr. 443. N. L. Smith, City Hall, highways engr.

Fla., Inverness—Dec. 5, by Comrs. Citrus Co., clearing, grading and paving 6.2 mi. Rutland Bridge Rd. E. V. Camp & Associates, Inc., Inverness, consult., superv. and testing engrs.

South Carolina—Dec. 13, by State Hy. Dept., Columbia (**F.A.P. means Federal Aid Project and S.P. State Project**), concrete paving 7.9 mi. Route 15, F.A.P. 96, reopened Anderson Co., 22.4 mi. Route 28, F.A.P. 95, reopened Beaufort Co., 6 mi. Routes 2 and 45, S.P. 666 Calhoun Co., 5.9 mi. Route 17, F.A.P. 79-A, reopened Jasper Co., 12.9 mi. Route 3, F.A.P. 234-B and C, Lexington Co., 8 mi. U. S. Route 17, F.A.P. 171-B, Contr. 2 Marion Co., and 12.8 mi. U. S. Route 17, F.A.P. 227-B, Williamsburg Co.; grading 4.5 mi. Route 9, S.P. 654-A Dillon Co., 5 mi. Route 3, S.P. 663-B and C, Lexington and Richland Counties, and 2.2 mi. Route 215, S.P. 511-B, Richland Co; grading and sand clay surfacing 1.6 mi. approaches to underpass at Salters Pond, Route 19, F.A.P. 258-B, Edgefield Co.; 3 in. sheet asphalt on 5 in. concrete surfacing 6.2 mi. Route 29, F.A.P. 198 and 278, and 5 mi. Route 11, F.A.P. 207-D, both Cherokee Co., 16.1 mi. Route 17, F.A.P. 188, reopened and 277-A Florence Co., 15.3 mi. Route 39, F.A.P. 141 and 214, reopened Saluda Co., also approaches to Ashley River bridge and concrete paving approaches to John's Island and Wallace Creek Bridges, on Route 17, Charleston Co. B. M. Sawyer, Columbia ch. highway comr.

Miss., Columbia—Dec. 6, by City Council, concrete, asphalt or brick paving, etc. approximately 6,850 sq.yd. various streets. H. A. Mentz, Hammond, La., engr.

Miss., Gulfport—Dec. 6, by Bd. Supervs. Harrison Co., E. McManus, clk., grading, curbing, guttering, 2 in. warrenite bitulithic on 5 in. concrete paving, etc. 4,300 sq.yd. West Beach Blvd., Beat 3, Project 24-B.

Louisiana—Dec. 15, by State Hy. Comn., Baton Rouge, grading and graveling 3.619 mi. Jena-Jonesville Highway, Federal Aid Project 153-D, LaSalle Parish; and 7.479 mi. Lindsay-Jackson Highway, State Project 561, East Feliciana Parish. N. W. Bowden, Raymond Bldg., Baton Rouge, state engr.

Louisiana—Dec. 20, by State Hy. Comn., Baton Rouge, grading and graveling 5.64 mi. Amite-Baton Rouge Highway, State Project 581-A-1, St. Helena Parish. N. W. Bowden, Reymond Bldg., Baton Rouge, highway engr.

Louisiana—Dec. 22, by State Hy. Comn., Baton Rouge, graveling 9.784 mi. Ville-Platte-Bunkie Highway, State Project 402-B, Evangeline Parish. N. W. Bowden, Reymond Bldg., Baton Rouge, state highway engr.

Tennessee—Dec. 16, by State Dept. Highways & Pub. Wks., Nashville, grading, etc. 11.204 mi. State Highway 15, Project 18-B, incl. 3 bridges over 20 ft. span, and 1.819 mi. State Highway 1, Project 36-G, incl. 1 bridge over 20 ft. span, both Shelby Co., 12.189 mi. State Highway 1, Project 121-C Humphreys Co., 10.157 mi. State Highway 24, Project 123-E Putnam Co., 12.727 mi. State Highway 44, Project 195-B Carroll Co., 5.728 mi. State Highway, 1 Project 210-B Knox Co., incl. 2 bridges over 20 ft. span, 4.244 mi. State Highway 5, Project 214-A Chester Co., 11.422 mi. State Highway 5, Project 214-B, Madison Co., 2.841 mi. State Highway 2, Project 217-B, McMinn Co., 14.134 mi. State Highway 74, Project 371-A Putnam Co., incl. 1 bridge over 20 ft. span, 4.342 mi. State Highway 2, Project 372-A and 6.661 mi. same road Sect. B, incl. 1 bridge over 20 ft. span Loudon Co., and 6.466 mi. State Highway 2, Project 373-A, Monroe Co.; rock asphalt or sheet asphalt on concrete paving 9.976 mi. State Highway 22, Project 195-A Carroll Co., and 7.061 mi. State Highway 1, Project 210-A Knox Co., concrete pavnig 17.442 mi. State Highway 34, Project 324-B, Hawkins and Greene Counties, and 15.514 mi. Heloise-Dyersburg Rd., Project 302-C Dyer Co.; also two 4,850 ft. driveways, 14 ft. wide on Harrihan Bridge over Mississippi River, Project 300-B, Shelby Co. C. N. Bass, highway comr.

Ohio—Dec. 9, by G. F. Schlesinger, dir. Hys. & Pub. Wks., Columbus, grading and paving, etc., 15.43 mi. roads in Cuyahoga, Geauga, Meigs, and Summit Counties.

O., Columbus—Dec. 7, by F. L. Donnally, clk. Franklin Co., grading and waterbound macadam on 6 in. concrete paving, etc., 3.279 mi. Lithopolis Rd., Madison Twp., 18 ft. $70,000. C. C. Lattimer, Court House, engr.

Ind., Indianapolis—Dec. 12, by Comrs. Marion, Hamilton and Boone Counties, Court House, constructing 1.603 mi. County Line Rd. $43,859. H. Dunn, Indianapolis, aud.

Mich., Flint—Dec. 8, at Genesee Co. Office, rein.-con. paving 10.5 mi. Silver Lake, Argentine and Byson Rds., 20 ft. J. H. Dennis, Flint, co. engr.

Ia., Council Bluffs—Taking bids concrete, sheet asphalt, asphaltic concrete, Warrenite or brick paving 10,779 sq.yd. Avenue D, South 8th, Hunter, 19th, Euclid and 5th Aves., and 1,000 sq.yd. of approaches on Indian Cheek Bridge; also brick on concrete paving 478 sq.yd. on bridge, Scott St. and Bway. B. Walker, City Hall, engr.

Kan., Dodge City—Dec. 9, by Clerk Ford Co., sand clay surfacing 9.424 mi. US. 50-S, Project 64-A.

Kan., Howard—Dec. 8, by Clerk Elk Co., grading and bridging 4.772 mi. K12, Project 164-C.

Kan., Lakin—Dec. 16, by Clerk Kearny Co., grading, etc., 70,928 cu.yd. Project 37-A, also 76,752 cu.yd. Project 37-B, 30 ft. C. H. Conrick, Lakin, co. engr.

Neb., Wahoo—Dec. 9, by D. L. Tarpenning, city clk., curbing, alternate types paving, etc., 13,077 sq.yd. various streets in Dist. 9. $38,927-$53,591. Bruce & Grupe, Bankers Reserve Life Bldg., Omaha, engrs. Noted Oct. 13.

Texas—Dec. 6, by R. A. Thompson, state highway engr., Austin (**S.A.P. means State Aid Project and F.A.P. means Federal Aid Project**) grading and bridging 8.978 mi. State Highway 79, F.A.P. 532-D $32,000, and 9.339 mi. same road Sect. C $100,000, Archer Co., 12.596 mi. State Highway 24, F.A.P. 527-A $95,000, and 12.164 mi. same road Sect. B $50,000, Young Co., grading, bridging and gravel surfacing 1.856 mi. State Highway 49, S.A.P. 743, Franklin and Red River Counties $80,000, grading, etc. 14.202 mi. State Highway 73-A, Austin Co. $90,000, all foregoing 26 ft. 6.05 mi. State Highway 39, S.A.P., 753-B, Wise Co. $40,000, and 4.658 mi. State Highway 3, F.A.P. 512-B, Harris Co. $175,000, both 18 ft.; also crushed stone and Caliche paving 13.122 mi. State Highway 18, Shackelford Co., $70,000. R. A. Thompson, Austin, engr.

Tex., Batesville—Dec. 6, by R. A. Thompson, state hy. engr., Austin, grading and bridging 31.101 mi. highway 55, State Aid Project 750, 26 ft., Zavalla Co. $90,000. G. M. Jowers, Batesville, engr. Noted Nov. 24.

Tex., Cuero — Dec. 19, by De Witt Co. Court, hardsurfacing approximately 11 mi. Highway 11 from Davy to Goliad Co. line through Yorktown, 18 ft. $200,000. S. H. Gulledge, Yorktown, resident engr. Noted Oct. 13.

Tex., Giddings—Dec. 6, by R. A. Thompson, state highway engr., Austin, grading and bridging 8.623 mi. State Highway 102, State Aid Project 734, 26 ft., Lee Co. $30,000. J. W. McCutcheon, Lexington, engr.

Tex., Palestine—Dec. 6, by R. A. Thompson, state highway engr., Austin, grading and bridging 3.897 mi. State Highway 43, Federal Aid Project 453-F from Neches to Neches River, Anderson Co., 26 ft. $25,000. E. W. Davis, Palestine, co. engr.

Arizona—Dec. 6, at office State Hy. Comn., Phoenix, grading and surfacing 21 mi. Schedule 1, Tucson-Benson Highway, Federal Aid Project 90-A, incl. 1 bridge. W. C. Lefebvre, state engr.; adv. E. N.-R. Dec. 1.

Calif., Los Angeles—Dec. 12, by Supervs. Los Angeles Co., grading and 6- to 8-in. concrete paving, etc., 216,405 sq.ft. Valley View Ave., A & I D 152. $70,000 or more. G. W. Jones, Hall of Records, engr.

Calif., Palo Alto — Dec. 12, by E. L. Beach, city clk., curbing, walks and 6 in. hydrated concrete paving, etc., portion Stanford Ave. To exceed $30,000. J. F. Byxbee, Jr., city engr. Noted Oct. 6.

Calif., San Diego—Dec. 12, by Common Council, grading, curbing, walks and 6 in. concrete paving, etc., 128,523 sq.ft. Trojan Ave.; also grading, curbing, walks and 6 in. asphaltic concrete paving, etc., 323,719 sq.ft. Winona Ave. and 50th St., etc. H. W. Jorgensen, city engr. Noted Nov. 3.

Wash., Yakima — Dec. 7, by Comrs. Yakima Co., surfacing 5.227 mi. Benton County Permanent Highway 16. C. L. Ammon, Prosser, engr.

Contracts Awarded

Mass., Boston—Dept. Pub. Wks., granite block paving Kneeland St., to M. F. Gaddis, 6 Beacon St., $49,038. Noted Oct. 20.

Mass., Boston—Park Dept., 33 Beacon St., grading Back Bay Fens, Audubon Rd., etc., to J. C. Coleman & Sons Co., 1620 Tremont St., Roxbury, $25,940. Noted Nov. 24.

N. Y., St. George — J. A. Lynch, pres. Richmond Boro, Boro Hall, concrete paving Taylor St., to J. E. Donovan, 2205 Richmond Terrace, Port Richmond, $10,888; also granite block paving grove St. and brick guttering Lawrence St. to Vanbro Constr. Corp., 24 Elizabeth St., West New Brighton, $10,544 and $5,307 respectively. Grand total $26,739. Noted Nov. 10.

New Jersey—State Hy. Dept., Trenton, grading and 8 in. double line rein.-con. paving 55,163 sq.yd. Route 15, Sect. 11, East Creek-South Dennis Rd., Cape May Co., to W. L. White, 3057 Kearsarge Rd., $277,826; and 47,090 sq.yd. Route 18-S, Pittsgrove-Elmer Rd., Salem Co., to C. H. Earle, Chelsea Bank Bldg., Atlantic City, $141,188. Noted Nov. 10.

New Jersey—State Hy. Comn., Trenton, grading and graveling Route 17, Sect. 2, Pedricktown Relocation, Salem Co., to C. D. Prosser, Pitman, $37,254. Noted Sept. 29.

Pennsylvania—State Hy. Comn. Harrisburg, (**A. means Application and R. Route**), grading, etc., 1,070 ft. R. 150, Bucks Co., to H. C. Ambler, 3717 York Rd., Phila. $21,230, 1,250 ft. R. 111, Sect. 7, Greene Co., to W. K. Reed, Waynesburg $6,677, 3,624 ft. R. 1, Dauphin Co., and one course rein.-con. paving, etc. 4,406 ft. R. 460, Northumberland Co., to Swanger & White, 2nd and Canal Sts., Lebanon, $17,007 and $56,168 respectively; one course rein.-con. paving, etc. 5,428 ft. A. 4809, Potter Co., to D. L. Dennis, Galeton $49,139, 32,312 ft. R. 525, Sect. 2, Cambria, Westmoreland and Indiana Counties, to Hagedorn Constr. Co., Grafton, W. Va. $286,036, 8,078 ft. R. 302, A. 4910, Westmoreland Co., to E. H. Canon, McKeesport $88,557 11,916 ft. R. 115, Spur, Sect. 2, Allegheny Co., to McPherson Bros., 423 Chestnut Rd., Edgeworth $105,966, 37,018 ft. R. 246, Butler Co., to P. R. Beals, 75 Moeller Ave., Buffalo, N. Y. $283,218, 10,309 ft. R. 100, Sect. 2, McKean Co., to J. C. Devine Co., Alliance, O. $75,662, 7,893 ft. R. 527, Lancaster Co., to J. M. Eshleman, Landisville $64,561, 1,378 ft. R. 470, Mifflin Co., to J. M. Hutchinson, Altoona $20,934, 6,610 ft. As. 4929-30, York Co., to Harry T. Campbell Sons Co., Inc., Towson, Md. $50,950, and 18,716 ft. R. 276, Sect. 2, Clearfield Co., to W. C. Quick & Co., Brookville $146,353. Grand total $1,272,458. Noted Nov. 3.

Md., Baltimore—Bd. Awards, sheet asphalt paving 12,760 sq.yd. streets listed Contr. 440, to P. Flanigan & Sons, Harford Rd. and Baltimore & Ohio R.R. tracks, $47,716; and 13,950 sq.yd. streets listed in Contr. 439, to Amer. Paving & Contr. Co., Montebello Ave., $60,709. Noted Nov. 10.

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CC-35 Paving Breaker—a non-rotating, hard-hitting, one-man compressed air tool that is used for cutting through hardpan, asphalt, concrete, etc.

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133 P. C.

Streets and Roads (Continued)

North Carolina—State Hy. Comn., Raleigh, grading and plain concrete paving 4.91 mi. Project 1051, Beaufort Co., to F. J. McGuire, Bankers Trust Bldg., Norfolk, Va. $109,630 and 7.04 mi. Project 4260, Franklin Co., to Gregory & Weisiger, Pittsboro, $157,466; clearing, grading, etc., 15.1 mi. Project 335, Columbus Co., to Hudson & Scruggs, Wilmington, $46,816; clearing, grading and sand clay surfacing 15.06 mi. Project 4380, Harnett Co., to Carter & Vincent, Shelby, $62,176; grading, and small rein.-con. structures on 3.96 mi. Project 776, Wilkes Co., to P. L. London, Jr., Asheville, $25,578 and 8.19 mi. Project 561, Montgomery Co., to W. C. Carter, Shelby $48,894; grading and sand asphalt paving 4.56 mi. Project 6642, Richmond Co., to Blythe Bros. Co., Brevard Court, Charlotte, $75,765; also grading, gravel surfacing and small rein.-con. structures on 3.35 mi. Project 705, Alleghany Co., to W. E. Graham, Mt. Villa, $68,501. Grand total $594,826.

Mississippi — State Hy. Comn., Jackson, constructing 30 mi. road across Montgomery Co., through Stewart, Kilmichael and Winona, to S. T. and H. C. Pilkinton, Artesia, $225,000.

Miss., Jackson—Hinds Co., grading, concrete curbing and concrete paving, etc. 169,826 sq.yd. Raymond-Utica Rd., to Lawrence Constr. Co., Jackson, $410,192. Noted Oct. 27.

Miss., Winona—Montgomery Co., grading, bridging and graveling 22.643 mi. Greenwood-West Point Highway, to Pilkington Bros., Artesia, $150,120.

Louisiana — State Hy. Comn., Baton Rouge, graveling 9.858 mi. Leesville-Alexandria Highway, Vernon Parish, to I. M. Goldberg, Abbeville, $66,162; 4.95 mi. Bernice-Farmerville Highway, Project 554-A, Union Parish, to Drew Bros., Minden, $29,298; and 14.3 mi. Greensburg-Baton Rouge Highway, Project 462, St. Helena Parish, to Williams Bros. Constr. Co., Osyka, Miss., $120,998. Grand total $216,458. Noted Oct. 27.

La., Cameron—Cameron Parish eastern road bed, etc. 26 mi. Consolidated Road Dist. A, on Route 104, to C. R. Cummins, Penton Bldg., Cleveland, O., $106,790.

Kentucky—State Hy. Dept., Frankfort, grading, etc. 2.557 mi. Beattyville-Jackson Rd., State Project 29-E, Lee Co., to Moynahan & Turner, Lexington, $54,038; and bituminous macadam surfacing 3.131 mi. Shelbyville-Copper Rd., State Project 160-B, Shelby Co., to C. L. Lewis, Covington, $57,626. Noted Oct. 6.

O., Dayton—Paving, etc., 20,000 sq.yd. West 2nd St., to R. P. Sebold, Ludlow Bldg., brick $81,898, concrete $66,032. Engrs. est. $85,000.

Mich., Grosse Pointe (br. Detroit)—One course 6 in. concrete paving 18,000 sq.yd. alleys in various sections to Bishop & Weir, 955 East Jefferson Ave., $33,600.

Illinois—State Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, paving Route 55, Sect. 551, Cook and Du Page Countis e,to Chicago Heights Coal Co., Chicago Heights, $162,373, Route 122, Sect. 124, Mason Co., to H. A. Carpenter, Evansville, Ind., $32,491, Route 148, Sect. 127, Franklin Co., and Route 148, Sect. 130, Williamson Co., to Mitchell Constr. Co., Marion, $111,101 and $105,298 respectively, Route 6, Sect. 32, Whiteside Co., to E. M. Rocho, 309 2nd Natl. Bank Bldg., Freeport, $68,494, Route 126, Sect. 116, Montgomery Co., to Mautz & Oren, Effingham, $128,440, Route 102, Sect. 101, Adams Co., to P. Simons, Quincy, $142,611, Route 112, Sect. 103, Madison Co., to Madison Constr. Co., Edwardsville, $97,539, Route 163 Sect. 102, Crawford Co., to D. E. Alumbaugh, Sullivan, Ind. $30,945, Route 142, Sect. 104, Marion, Fayette and Alexander Counties, to R. A. Baum, Paris, $188,776, Route 19, Sect. 86-S, Cook Co., to S. Jaicks, Oak Park, $72,217, Route 18, Sect. 13-E, Kendall Co., to Hurden Constr. Co., Ferguson Bldg., Springfield, $13,134, Route 14, Sects. 11 and 12, White Co., to French Constr. Co., Fairfield, $151,476, Route 89, Sect. 124, Marshall Co., to Hartmann-Clark Bros. Co., 330 Peoria Life Bldg., Peoria, $90,590, and Route 72, Sect. 128-W, De Kalb Co., to C. E. Giertz & Son, Elgin, $17,889; grading Route 156, Sect. 102-A, Monroe Co., to Keeley Bros. Constr. Co., 2100 State St., East St. Louis, $69,035, Route 13, Sect. 28-V-1, St. Clair Co., to H. A. Worman, Pittsfield, $3,600, and Route 10, Sect. 36-A, Vermilion Co., to R. C. McCalman, Inc., Danville, $28,321. Grand total $1,514,330. Noted Oct. 20.

Ill., Sterling—Concrete slab paving portion Lincoln Highway, east of here, to E. M. Rocho, Freeport, $69,185.

Iowa—State Hy. Comn., Ames, (**F. A. P. means Federal Aid Project and P. P. Primary Project**), to Bryant Paving Co., Waterloo, grading, paving, etc., 69,482 sq. yd. U. S. Highway 23, P. P. 239, $163,603, and 15,150 sq.yd. U. S. Highway 20, F. A. P. 5, $36,187, both Buchanan Co., 204,191 sq.yd. Primary Road 10, P. P. 558, Butler Co. $473,074, 166,256 sq.yd. U. S. Highway 20, F. A. P. 4, Delaware Co. $424,234, and 86,246 sq.yd. U. S. Highway 20, P. P. 236, Delaware Co. $208,225, to Western Asphalt Paving Co., Sioux City, 55,037 sq.yd. U. S. Highway 34, F. A. P. 280, Pottawattamie Co. $135,142, and to C. H. Atkinson Paving Co., Watertown, S. D., 122,650 sq.yd. U. S. Highway 34, P. P. 559, Wapello Co. $325,368; to Lynch & Co., Castana, graveling, etc., 7.2 mi. Denison Rd., P. P. 401 and 451, Crawford Co. $7,037, to Ehling & Snyder, Charles City, 10 mi. Butler Co. Line Rd., P. P. 529, Floyd Co. $7,084, to C. L. Yost, Bristow, 3 mi. Primary Road 105, P. P. 216-D, Worth Co. $3,393, and to Moe & Nelson, Belmond, 9.736 mi. Primary Road 15, F. A. P. 267, Wright Co. $7,984; also to H. J. Murphy, Marengo, 8,240 ft. cable and 3,950 ft. Type C guard rail on F. A. P. 3 and 120, Jefferson Co., $3,787. Grand total $1,795,111. Noted Nov. 3.

Ia., Independence—Comrs. Buchanan Co., concrete paving 31.827 mi. U. S. Highway 20 and 19.4 mi. Primary Rd. 10, also 0.5 mi. Primary Rd. 14, to Bryant Paving Co., Waterloo, $832,242 and $473,073 respectively.

Minnesota — State Hy. Comn., St. Paul (**F.A.P. means Federal Aid Project and S.P. State Project**), concrete paving, etc. 91,200 sq.yd. Sect. 2 and 27,200 sq.yd. Sect. 3 S.P. 5-31, F.A.P. 380, also 81,200 sq.yd. S.P. 52-21, F.A.P. 381, to Garrick Bros., 779 Portland Ave., St. Paul, $274,074. State furnishes cement. Noted Oct. 27.

Kan., Clay Center—For 6 in. rein.-con. paving 7,000 yd. and 9.69 in. slab concrete paving 5,000 yd. various streets, to Reed & Wheelock, Clay Center, $44,386.

Kan., Kansas City—Wyandotte Co., concrete paving 0.551 mi. Project 321-C, to Reed & Wheelock, Clay Center, $18,154. Noted Nov. 10.

Kan., Topeka — Shawnee Co., concrete paving 0.97 mi. Wakarusa Spur, also two 25 ft. and one 30 ft. deck girder span bridge, to M. W. Watson, Topeka, $37,533 and $5,025 respectively.

Tex., Galveston—Asphalt on hard base paving approximately 30,000 sq.yd. Ave. S from 39th St. to city limits, and Ave. N, from 21st to 23rd Sts., to Moller & Roberts, Hitchcock, $73,209.

Tex., Kerrville—Kerr Co., grading and bridging 11.251 mi. State Highway 41, Federal Aid Project 520 A, Unit 1, 26 ft., to Walsh, Burney & Moore, 618 1st Natl. Bank Bldg., San Antonio, $50,222. Engrs. est. $60,000.

Tex., Ralls—J. M. De Bolt, mayor, grading and 2½ in. brick on 5 in. concrete paving, etc. approximately 26,646 sq.yd. various streets, to Panhandle Constr. Co., Box 481, Lubbuck, $102,245. Noted Oct. 27.

Tex., San Angelo—T. A. Thompson, state hy. engr., Austin, grading and concrete paving 15.67 mi. State Highway 9, Federal Aid Project 338, 18 ft., Tom Green Co., to W. S. Thomson, Box 597, San Angelo, $386,671. Engrs. est. $475,000. Noted Oct. 27.

California—See "Bridges."

California—State Hy. Dept., Sacramento, grading and crushed gravel or stone surfacing, etc., roadway between 1 mi. south and 1 mi. north of Arno, Sacramento Co., to Mankel & Staring, Sacramento, $38,331. Engrs. est. $44,203. Noted Oct. 27.

Calif., Culver City — Grading, curbing, walks and 5 in. vibrolithic concrete paving, etc., Arleta Sts., etc., to G. H. Oswald Co., 366 East 58th St., Los Angeles, $109,895. Noted Oct. 6.

Calif., Los Angeles—Improving various streets to Kneen Paving Co., 216 Dudley Blk., Santa Monica, $211,390.

Calif., Los Angeles—Grading, curbing, walks, concrete and asphaltic concrete paving, etc. Ancon and Santa Cruz St. Impvt. Dist., to Griffith Co., Railway Bldg., $62,205; grading and concrete paving, etc. Saturn St. and Ellmere Ave., Impvt. Dist., to Tryon & Brain, California Bldg., $285,395, also Lorena and 2nd St. Impvt. Dist., to Wells & Bressler, California Bank Bldg., Santa Ana, $128,659. Grand total $476,259.

Calif., Oceanside — Grading, curbing, walks and macadam paving, etc. portions Cleveland and 8th Sts., etc. to Miracle Constr. Co., 1604 Dale St., San Diego, $25,375.

Calif., San Diego—San Diego Co., walks and asphaltic concrete paving, etc. Santa Fe Ave. in Vista Dist., to R. E. Hazard Contg. Co., 2548 Kettner Blvd., $47,122; also grading and 5 in. concrete paving, etc. 150,100 sq.ft. Campo Rd., etc. in La Mesa Highlands, to R. H. Downer, 4358 Bancroft St., $60,931, engrs. est. $72,000.

Calif., San Luis Obispo—San Luis Obispo Co., grading and graveling, etc. La Mesa Tract, etc., to H. Delassi, Oceano, $38,445.

Ont., Toronto—York Twp., bitulithic on concrete paving Lambton Ave., to Warren Bituminous Paving Co., 54 University Ave., $30,061. Engrs. est. $35,000.

Buildings—Commercial

Proposed Work

N. H., Whitefield — HOTEL — Mountain View Hotel, W. F. Dodge & Son, proprietors, plan altering and constructing hotel addition. To exceed $150,000. Engineer and architect not selected yet.

Vt., Montpelier—HOTEL—W. H. Farrar, 25 Liberty St., having plans prepared by F. C. Teich, 212 Rathael Bldg., New Britain, Conn., brick and steel hotel and large garage building, State St., here. Archts. est. $400,000. Noted Oct. 27.

Mass., Boston — APARTMENT — L. F. Kaufman, 43 Tremont St., having plans prepared by G. N. Jacobs, 9 Bosworth Pl., 5 story and basement, 55 x 105 ft., rein.-con., brick and limestone, plain foundation, 14 Commonwealth Ave. $160,000.

Mass., Boston—OFFICE, COMMERCIAL and MANUFACTURING—Atlantic Building Trust, c/o M. C. Burton, 470 Atlantic Ave., having plans prepared by Blackall, Clapp & Whittemore, 31 West St., 13 story basement; and sub-basement, 65,000 sq.ft. floor space, rein.-con., brick and steel, Atlantic Ave. and Pearl St. extension. $4,000,000.

Mass., Boston—RETAIL STORE and MAIL ORDER HOUSE—Sears, Roebuck & Co., C. M. Kittle, pres., Arthington and Honan Sts., Chicago, Ill., plans retail store and mail order house, Brookline Ave. and Audubon Rd., here. To exceed $150,000. G. H. Nimmons & Co., 125 South Michigan Ave., Chicago, Ill., archts.

Mass., Fall River—HOME—B. P. O. E., G. Grime, chn. com., 8 South Main St., having preliminary plans prepared by J. I. Higgins, 44 Borden Blk., brick, Bank and Purchase Sts. $150,000 or more. Noted Nov. 3.

Mass., Fitchburg—HOME—I.O.O.F., F. C. Cady, 132 Snow St., plans raising $150,000 funds, new home. Engineer and architect not selected.

Mass., Lowell—HOSPITAL—Lowell General Hospital, J. F. Sawyer, treas., having plans prepared by Appleton & Stearns, 53 State St., Boston, 2 story and basement, 45 x 160 ft., brick, hospital for incurables, plain foundation. $200,000.

Mass., Newton — STORE, OFFICE and BOWLING ALLEYS — See "Contracts Awarded."

Mass., Newton—STORE, OFFICE and BOWLING ALLEYS—Craigie Real Estate Trust, c/o H. W. Morton, archt., 52 Institution Ave., having plans prepared 2 story and basement, 125 x 150 ft., brick and stone, plain foundation, Washington and Beacon Sts. $150,000.

Mass., Plymouth — THEATRE, STORE and OFFICE—Colonial Amusement Co., W. Resnick, Court St., plans 2 story and basement, brick and steel, 56-60 Court St. $300,000. Engineer and architect not selected.

Mass., Quincy (Ind. br. Boston)—CITY HALL—City, T. J. McGrath, mayor, City Hall, plans city hall, Hancock and Dimmock Sts. To exceed $150,000. Engineer and architect not selected.

Conn. Bridgeport — THEATRE — Keith-Albee Exchange, 1564 Bway., New York City, plans brick and steel theatre, here. To exceed $150,000. Engineer and architect not selected.

Conn., Hartford—APARTMENT—Lapuk Bros. 39 Charter Oak Pl., plans brick and steel, Asylum St. $150,000.

Conn., Hartford — THEATRE — Keith-Albee Exchange, E. F. Albee, pres., 1564 Bway., New York City, plans brick and steel, here. To exceed $150,000. Engineer and architect not selected.

Conn., New Haven—STORE and OFFICE—Mansfield Ferry, c/o Brown & Von Beren, archts., Chamber Commerce Bldg., having plans prepared 2 story, 110 x 230 ft., brick, steel and terra cotta, Center and Temple Sts. $150,000.

N. Y., Brooklyn—GARAGE—Owner, c/o E. M. Adelsohn, archt., 26 Court St., having plans prepared 2 story garage, Crown St. and Franklin Ave. $150,000.

N. Y., Brooklyn—STORE and APARTMENT—Owner, c/o E. M. Adelsohn, archt., 26 Court St., having plans prepared 3 story store and apartment, Coney Island Ave. and Avenue K. $200,000.

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Buildings—Commercial (Continued)

N. Y., New York—APARTMENT—J. H. Carpenter, 522 5th Ave., having plans prepared by J. E. R. Carpenter, 598 Madison Ave., 12 story apartment, on 60 x 100 ft. site, Madison Ave. near 89th St. $2,000,000.

N. Y., New York—APARTMENT and STORES—J. M. Felson (owner and archt.), 250 West 57th St., preparing plans 16 story and basement, 40 x 100 ft. apartment and store building, 107 West 86th St. $400,000-$500,000.

N. Y., New York—ASSEMBLY HALL and HOTEL—Salvation Army, 122 West 14th St., had preliminary sketches made assembly hall and hotel, 126 West 14th St. $2,000,000. Engineer and architect not selected. Noted July 15, 1926.

N. Y., New York—BUS TERMINAL—Solomon & Kahn, 475 5th Ave., having preliminary plans prepared by Gronenberg & Leuchtag, 1385 Bway., 7 story, 75 x 200 ft. bus terminal, West 38th St. near 9th Ave. $650,000.

N. Y., New York — HOSPITAL — New York Hospital and Cornell Medical College Assn., E. W. Sheldon, pres., 46 Park Ave., having plans prepared by Coolidge, Shepley, Bulfinch & Abbott, 1 Court St., Boston, Mass., 10 story hospital, Avenue A, Exterior, 69th and 70th Sts.

N. Y., New York—LOFT—Two Hundred Forty-Five West 29th Street Corp., 571-8th Ave., having plans prepared by J. Eckman, 156 East 42nd St., 17 story, 79 x 89 ft. loft, 241 West 29th St. $425,000.

N. J., Hoboken—GARAGE—Model Garage, Inc., 208 Clinton St., plans 2 story, rein.-con., brick and steel, plain foundation, 208 Clinton St. $150,000. Private plans.

N. J., Newark — APARTMENT and STORE—Roman Constr. & Realty Co., 146 Carrol St., Paterson, having plans prepared by Lilien & Lilien, 155 West 72nd St., New York City, 3 story and basement, 75 x 150 ft., brick and steel, plain foundation, Bway. and Halleck St., here. $150,000.

N. J., Newark — APARTMENT — J. Wiener, 187 Chancellor Ave., having plans prepared by A. Silberstein, 60 Park Pl., 5 story and basement, 75 x 100 ft., brick and steel, plain foundation, 240 Broad St. $150,000.

N. J., Newark — APARTMENT and STORE — Lindsley Holding Corp., c/o Meyers, Bigelow & Shanley, archts., 24 Walnut St., having plans prepared 5 story and basement, brick and steel, plain foundation, Clinton Ave. $150,000.

N. J., Newark—APARTMENT—G. and L. Constr. Co., 141 North 9th St., having plans prepared by M. J. Nadel, 32 Hill St., 3 story and basement, 100 x 150 ft., brick and steel, plain foundation, 10-20 Devins St. $150,000.

N. J., Newark—APARTMENT—Owner, c/o A. F. Amodio, archts., 45 Branford Pl., having plans prepared 3 story and basement, 75 x 115 ft., brick and steel, plain foundation, Myrtle Ave. $150,000.

N. J., Newark — APARTMENT — Schwartz & Cohen, 49 Goodwin Ave., having revised plans prepared by R. Botelli, 45 Branford Pl., 5 story and basement, brick and steel, plain foundation, 244 Roseville Ave. $150,000. Noted Oct. 20.

N. J., Newark—APARTMENT—Cioniro Constr. Co., c/o N. Harris, archt., 20 Branford Pl., having plans prepared 4 story and basement, brick and steel, plain foundation, 52 Clinton Pl. $150,000.

N. J., Newark—APARTMENT—M. Gray & J. Krubant, 77 Hedden Terrace, having plans prepared by H. F. Clark, 38 Clinton St., 5 story and basement, 130 x 185 ft., brick and steel, plain foundation, 2-6 Renner Ave. $275,000.

N. J., Newark — APARTMENT and STORE — Wah Shang, 196 Mulberry St., had plans prepared by B. Cirlincione, 229 South Orange Ave., 4 story and basement, brick and steel, plain foundation, Mulberry St. $150,000.

N. J., Orange—APARTMENT—M. T. Realty Co., 810 Broad St., Newark, having plans prepared by H. F. Clark, 38 Clinton St., Newark, 4 story and basement, 95 x 150 ft., brick and steel, plain foundation, 250 Washington St., here. $175,000.

N. J., Red Bank—HOTEL—N. Harris, archt., 20 Branford Pl., Newark, soon lets contract general contract 9 story and basement, 124 x 400 ft., brick and steel, plain foundation, Riverside Ave., for Red Bank Hotel Co. $650,000. Noted Sept. 15.

N. J., Trenton—RESTAURANT—Childs Restaurant Co., 200 5th Ave., New York City, having plans prepared by W. Van Alen, 331 Madison Ave., 3 story, 31 x 110 ft., brick and steel, 12-14 East State St., here. $150,000.

N. J., Weehawken — FERRY TERMINAL—West Shore R.R. Co., c/o New York Central R.R. Co., 466 Lexington Ave., New York City, F. B. Freeman, ch. engr., plans replacing present terminal with steel and copper terminal foot Pershing Rd., and extneding ferry slips 65 ft. toward river, here. $500,000.

N. J., Weehawken — MUNICIPAL — Bd. Town Council, E. W. Granert, chn. Building com., 309 Park Ave., having sketches made by W. Weir, archt., 254 Summitt Ave., Union City, 3 story and basement, brick and steel, plain foundation, Park Ave. $200,000. Noted June 23.

Pa., Jeannette—THEATRE—Manos Enterprise Assn., c/o M. Manos, Greensburg, having plans prepared by L. H. Lampert & Son, 1054 Mercantile Bldg., Rochester, N. Y., 1 story, mezzanine and basement, 40 x 122 ft., brick and hollow tile, Clay Ave. $200,000.

Pa., Phila. — BUS TERMINAL — Delaware Bridge Bus Assn., c/o H. S. Shertz, Liberty Bldg., plans 148 x 204 ft. bus terminal, 13th and Filbert Sts. $3,000,000. Engineer and architect not selected.

Pa., Phila.—THEATRE, ARCADE and STORE—All-Ken Co., c/o O. R. Parry, archt., 1524 Sanson St., having plans prepared rein.-con. and brick, 2,200 seating capacity, plain foundation, Germantown and Hunting Park Aves. $500,000.

Pa., Rosemont—THEATRE and STORE—A. C. Bieber, archt., 1520 Locust St., Phila., preparing plans 1 story and basement, 75 x 164 ft., brick and steel, 2,000 seating capacity, plain foundation, Rose Lane and Lancaster Ave. here. Owners name withheld.

Del., Wilmington—Y. M. C. A. raised $754,000 new building. Architectural Bureau, National Council Y. M. C. A., 2 West 45th St., New York City, consult. archts.

Md., Baltimore — APARTMENT — Alto-Crest Apartments, c/o H. D. Bennett, archt., 2114 Allendale St., had plans prepared 7 story and basement, 105 x 113 ft., concrete and brick, Bateman Ave. and Hilton St. $400,000.

Md., Baltimore—APARTMENT—H. D. Bennett, archt., 2114 Allendale St., soon lets contract 7 story and basement, 105 x 113 ft. concrete and brick, Bateman Ave. and Hilton St., for Alto-Crest Apartments, c/o architect.

Miss., Hattiesburg — HOTEL — Walters Inn having plans prepared by N. W. Overstreet, Jackson, 6 story hotel. $250,000.

Miss., McComb—HOTEL—X. A. Kramer having plans prepared by C. H. Lindsley, Jackson, 7 story hotel. $500,000.

Miss., Vicksburg—HOTEL—A. H. Alvis, Jackson, plans hotel, here. $500,000. N. W. Overstreet, Jackson, archt.

O., Akron—ARCADE—H. J. Wiener, 10 South Howard St., takes bids about Dec. 2, 2 and 5 story, brick, terra cotta and steel arcade between Howard and Canal Sts. $200,000. A. Breverman, 610 Allman Bldg., Cleveland, archt.

O., Cincinnati—GARAGE—Bway. Garage, Inc., 521 Sycamore St., having plans prepared by Rendigs, Panzer & Martin, 609 Southern Ohio Bank Bldg., 7 story and basement, 150 x 200 ft., brick and rein.-con., plain foundation, Bway. $500,000.

O., Youngstown — HOSPITAL—Youngstown Hospital Assn. takes bids in Spring several units hospital, Gypsy Lane. $1,-500,000.

Mich., Detroit—APARTMENT—Miller & Hodges, McKerchey Bldg., having plans prepared by H. C. Stevens, Bway. Exchange Bldg., 4 story and basement, brick and steel, plain foundation, Burlingame Ave. $275,000.

Ill., Chicago — ARMORY, etc. — South Park Comrs., 5700 Cottage Grove Ave., having sketches made by Perkins, Chatten & Hammond, 160 North La Salle St., memorial square with 273 ft. shaft, 120 x 320 ft. armory, with 8,500 seating capacity hall, 52nd St. and Washington Park, for 7th Regiment Illinois Natl. Guard. $1,500,000.

Ill., Chicago — APARTMENT—Marshall Field Estate, c/o A. J. Thomas, archt., 2 West 46th St., New York City, having preliminary plans prepared 5 story, 2 square block, brick, plain foundation, Hudson Ave. Sedgwick, Conners and Blackhawk Sts., here. $4,000,000.

Neb., Lincoln—CAPITOL—Capitol Comn., G. McMullen, chn., takes bids in January, completing state capitol, 15th St. G. Goodhue Associates, 2 West 47th St., New York City, archts. Noted June 23.

Minn., Minneapolis—OFFICE—Chamber of Commerce, J. G. McHugh, secy., 123 Chamber of Commerce Bldg., having plans prepared by Bertrand & Chamberlin, 616 Northwestern Bank Bldg., 6 or 7 story, L-shaped, rein.-con., brick and stone addition, 4th Ave. S. and 3rd St. $600,000.

Mo., St. Louis—APARTMENT—A. H. Winkelmeyer, 2602 South Grand Blvd., takes bids in spring 7 story and basement, rein.-con., brick and stone, Grand Blvd. and Sidney St. $350,000. J. L. Bowling, Inc., 1196 Arcade Bldg., archts. Noted May 19.

Mo., St. Louis—Y. M. C. A., L. Haworth, genl. secy., having preliminary sketches made by Architectural Bureau, National Council Y. M. C. A., 2 West 45th St., New York City, for West End Branch, $600,000; also South Side Branch, approximately $500,000.

Tex., Austin — APARTMENT — Enfield Realty & Home Building Co., 205 West 7th St., having plans prepared by Cusecke & Harris, 207 West 7th St., 6 story and basement, U-shaped, brick, stone and rein.-con., in Enfield addition. $280,000.

Tex., Ft. Worth—THEATRE and OFFICE—W. C. Hedrick, archt., 1st Natl. Bank Bldg., soon takes bids 18 story, rein.-con., brick, steel and stone, West 7th and Lamar Sts., for Ft. Worth Properties Co., c/o J. H. Jones, Houston. $1,000,000.

Calif., Chino — CLUBHOUSE — Los Serranos Country Club Estates having plans prepared by R. B. Stacy-Judd, 6030 Hollywood Blvd., Los Angeles, rebuilding 2 story, rein-con. main building. $500,000-$750,000.

Calif., Long Beach—APARTMENT—H. H. Lockridge, archt., Jergins Trust Bldg., preparing plans 6 story and basement, steel, 1st and Daisy Sts. $250,000. Owner's name withheld.

Calif., Los Angeles—APARTMENT—A. T. Mayer, 4169 Arlington St., having plans prepared by W. L. Campbell, 911 Title Insurance Bldg., 4 story, 50 x 140 ft., brick and stone, Crenshaw Blvd. and Country Club Dr. $150,000.

Calif., Los Angeles — DETENTION HOME—Los Angeles, having new plans prepared by K. Muck, 3200 Highland Ave., 2 story, 60 x 190 ft. main building, with 50 x 50 ft. wing, 2 story, 35 x 162 ft. each girls and boys dormitories with 10 x 40 ft. wings, etc. incl. hospital, boys dormitory, etc. for detention home, Mission Rd., Castle Lake and Henry Sts. Noted May 12.

Calif., San Francisco—APARTMENTS—Lincoln Investment Co., c/o A. H. Larsen, archt., 447 Sutter St., plans apartment, 16th Ave. and Lincoln Way, $180,000; and apartment, Pine St. near Hyde St., $150,-000, both 6 story and basement, concrete and steel.

Calif., San Francisco—APARTMENT—Marian Realty Co., 110 Sutter St., having plans prepared by D. D. Stone, 354 Hobart St., Oakland, 8 story and basement, steel and concrete, Pacific Ave. and Laguna St. $600,000.

Calif., San Francisco—THEATRE, HOTEL and STORE—M. and L. Graf, 1179 Market St., having plans prepared 18 story and basement, incl. swimming pool, gymnasium, etc., Turk and Jones Sts. $5,000,-000. H. W. Abrahams, 495 14th Ave., engr.

Ont., Hamilton—HOSPITAL—Hamilton General Hospital Bd., Barton St. E., having plans prepared by G. T. Evans, 6 Hughson St., 5 story public ward addition, 4 story female help building, steam plant addition, and fireproofing Queen Alexandria wing, all foregoing rein.-con., brick and steel, plain foundations, Barton St. E. $700,000.

Ont., Ottawa—HOSPITAL—City plans hospital for incurables, Carling Ave. $155,-000. Engineer and architect not selected.

Ont., Toronto—APARTMENT—H. Falk, 23 Woodside Ave., having plans prepared by Baldwin & Green, 31 Bloor St. E., 6 story and basement, rein.-con., brick, steel and stone, plain foundation, Avenue Rd. $1,000,000.

Ont., Toronto—MEDICAL OFFICE—R. Hunter, Natl. Bldg., having plans prepared by N. A. Armstrong Co. Ltd., 7 King St. E., 12 story and basement, 100 x 125 ft., rein.-con., brick and steel, plain foundation, College St. near Bay St. $1,000,000.

Ont., Toronto—OFFICES—King-Adelaide Holding Corp., H. F. Williams, King Edward Hotel, having plans prepared by C. B. Dolphin, 10 Leader Lane, two 27 story, and one 40 story, rein.-con., brick and steel plain foundations, between King and Adelaide Sts. $30,000,000.

Ont., Toronto—OFFICE—Yolles & Rotenberg, Federal Bldg., having plans prepared by Chapman & Oxley, Northern Ont. Bldg., 20 story and basement, 63 x 90 ft., rein.-con., brick, steel and stone, plain foundation, Bay and Richmond Sts. $1,000,000.

Ont., Toronto—OFFICE and GARAGE—D. E. Bennett, Temple Bldg., having plans prepared 15 to 20 story and basement, 107 x 186 ft., rein.-con., brick, steel, stone and terrazzo, plain foundation, York and King Sts. $2,000,000. Engineer and architect not selected.

Bids Desired

Mass., Boston — APARTMENT — See "Contracts Awarded."

Mass., Lynn — CLUB — Boys Club of Lynn, F. A. Strong, supt., 189 Liberty St., taking bids 3 story and basement, 75 x 130 ft., brick and stone, plain foundation, 11-15

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Buildings—Commercial (Continued)

Pleasant St. $150,000. Sanborn & Weed, Lynn Item Bldg., archts. Noted Nov. 3.

R. I., Westerly—FIRE STATION—Town, c/o C. W. Campbell, ch. building comn., taking bids 2 story and basement, 75 x 105 ft., rein.-con. and granite, plain foundation, Broad St. $150,000. G. E. Robinson, 80 Federal St., Boston, Mass., archt.

N. Y., Marcy—HOSPITAL—Dec. 21, by Dept. Mental Hygiene, Albany, constructing, for Buildings 1, 2, 3, 4, 10 and 21, also new tunnels at Utica State Hospital, Marcy Div., here. S. W. Jones, Capitol, Albany, state archt.; adv. E. N.-R. Dec. 1. Noted Oct. 27.

N. Y., New York—APARTMENT—See "Contracts Awarded."

N. J., Bergenfield—APARTMENT—C. G. Elcholz, archt., 960 Bergenline Ave., Union City, taking bids general contract 4 story and basement, 50 x 100 ft., brick and steel, plain foundation, Washington Ave., here, for One Hundred Fourteen South Washington Avenue Holding Co., W. Krauze, pres., Harring St., here. $150,000.

N. J., Bloomfield—APARTMENT—See "Contracts Awarded."

N. J., Camden—BANK and OFFICE—Dec. 9, by First Natl. Bank & Trust Co., W. E. Bennett, chn. building com., 2 Market St., 3 story, mezzanine and basement, 79 x 124 ft. rein.-con., brick and steel, concrete and wood pile foundation, Bway. and Cooper St., Simon & Simon, 249 Juniper St., Phila., Pa., archts. Noted Nov. 3.

N. J., Irvington (Sta. Newark) — THEATRE, STORE and APARTMENT—See "Contracts Awarded."

N. J., Jersey City—GARAGE—A. Davis, archt., 140 Montgomery St. taking bids general contract 1 and 2 story and basement, 200 x 300 ft., rein.-con., brick and steel, plain foundation, Mill Rd. from Mercer to Wayne Sts., for H. Byrne, 392 Mercer St. Archts. est. $150,000. Noted Oct. 20.

N. J., Orange — APARTMENT — See "Contracts Awarded."

N. J., Orange — HOSPITAL, NURSES HOME—Crow, Lewis & Week, archts., 200 5th Ave., New York City, taking bids general contract 5 story and basement, 95 x 130 ft., brick and steel, plain foundation, Essex and Henry Sts., here, for Orange Memorial Hospital, L. D. Baldwin, in charge, Essex and Henry Sts. $150,000. Noted Apr. 21.

N. J., Passaic — APARTMENT — See "Contracts Awarded."

N. J., Union City—APARTMENT—See "Contracts Awarded."

Miss., Gulfport — JAIL and COURT HOUSE—Dec. 5, by Bd. Supervs., Harrison Co., c/o E. McManus, clk., Court House, repairing jail and courthouse, also heating and plumbing for courthouse; adv. E. N.-R. Dec. 1.

O., Cleveland—APARTMENT—M. Margolin, 1489 East 106th St., taking bids 4 story and basement, 68 x 104 ft., brick and steel, East 132nd St. $150,000. M. Weis, 617 Union Bldg., archt.

Ill., Chicago—APARTMENT—M. L. Bein, archt., 64 West Randolph St., taking bids 8 story and basement, 82 x 150 ft., rein.-con., brick and stone, 1117-1123 North Dearborn St., for Syndicate, c/o architect. $1,000,000.

O., Cleveland — APARTMENTS — A. E. Emerman, 502 Ulmer Bldg., taking bids two 2 story and basement, 37 x 99 ft. brick apartments. $150,000. M. Weis, 617 Union Bldg., archt.

O., Cleveland—STORE and APARTMENT—L. Cahn, 2099 Lamberton Rd., Cleveland Heights, taking bids 4 story and basement, brick, Clifton Blvd. $350,000. A. F. Janowitz, 811 Prospect Ave., archt. Noted Jan. 13.

Ind., Indianapolis—HOTEL—W. E. Bayfield, Hotel Majestic, 29 Quincy St., Chicago, Ill., taking bids 8 story and basement, rein.-con., brick and steel, Market and Capitol Aves. here. $250,000. W. E. Russ, Meridian Life Bldg., archt. Noted June 23.

Ill., Chicago — APARTMENT — W. C. Bannerman & Co., 77 West Washington St., taking bids 24 story and basement, 50 x 187 ft., rein.-con., brick, steel and stone, wood pile foundation, 1430 Lake Shore Dr. $2,000,000. R. C. De Goyler & Co., 307 North Michigan Ave., archts. Noted Oct. 6.

Ill., Chicago—APARTMENT—J. Cohen & Co., archts., 160 North La Salle St., taking bids masonry contract 7 story and basement, 50 x 125 ft., rein.-con., brick and terra cotta, 5036 Sheridan Rd., for Syndicate, c/o M. S. Willens, 160 North La Salle St. $400,000.

Kan., Wichita—OFFICE—See "Contracts Awarded."

Mo., St. Louis—APARTMENT—See "Contracts Awarded."

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Calif., Los Angeles—HOTEL, THEATRE and APARTMENT — See "Contracts Awarded."

Calif., Los Angeles—PROFESSIONAL—J. and D. B. Parkinson, archt., Title Insurance Bldg., taking bids 13 story and basement, 120 x 150 ft., steel, Wilshire Blvd., for Los Angeles Co. Medical Building Corp., W. Morrison, pres., Pacific Mutual Bldg.

Calif., San Francisco—APARTMENT—See "Contracts Awarded."

Calif., San Pedro—CITY HALL—See "Contracts Awarded."

Ont., Toronto — GARAGE and SHOW ROOM — M. Brown, archt., Confederation Life Bldg., taking bids general contract 3 story and basement, 150 x 150 ft., rein.-con., brick and steel, plain foundation, Gerrard St. E., for A. D. Gorrie & Co., 354 Victoria St. $200,000. Noted Nov. 17.

Contracts Awarded

Mass., Boston—APARTMENT—M. Peraner, 96 Beals St., Brookline will build (4 unit) 3 and 4 story and basement, brick plain foundation. $160,000. Work will be done by separate contracts. Eisenberg & Feer, 46 Cornhill, archts.

Mass., Brighton (Boston P. O.)—APARTMENT—J. H. Fitzgerald, 24 Gerald Rd., 4 story and basement, brick and stone, plain foundation, 2031-2039 Commonwealth Ave., to H. I. Fitzgerald, 11 Gerald Rd. Archts. est. $150,000 or more.

Mass., Brighton (Boston P. O.)—THEATRE and STORE—Fitzgerald Corp., 11 Gerald Rd., Brighton, 1 story and basement, 90 x 250 ft., rein.-con., brick and steel, plain foundation, 325 Washington St., to Frederick Co., 11 Gerald Rd. Archts. est. $150,000.

Mass., Cambridge (br. Boston)—STORE and OFFICE—Estate of J. H. Corcoran, 587 Massachusetts Ave., 2 story and basement, 90 x 190 ft., brick and stone, plain foundation, Massachusetts Ave. and Central Sq., to J. J. Powers Co., 33 Mystic St. Archts. est. $150,000. Noted Nov. 3.

Mass., Newton—STORE, OFFICE and BOWLING ALLEYS—Craigie Real Estate Trust, c/o H. W. Morton, archt., 52 Institution Ave., will build 2 story and basement, 125 x 150 ft., brick and stone, concrete foundation, Washington and Beacon Sts. $150,000. Noted Dec. 1. Work will be done by separate contracts.

Mass., Revere—THEATRE, etc.—P. Barr, 58 Walnut St., Roxbury, 2 story and basement, brick and steel, plain foundation, Shirley St. and Walnut Ave., here, to C. I. Smith, 30 Whitney Ave., New Haven, Conn., $150,000 cost plus percentage basis.

Mass., Scituate—BANK—Rockland Trust Co., H. T. Fogg, 286 Main St., Rockland, 1 story and basement, rein.-con., brick and steel, plain foundation, Front St., here, to C. C. Temple Co., 99 Chauncy St., Boston. Archts. est. $150,000. Noted Nov. 10.

R. I., Lonsdale (Ind. br. Pawtucket) — TEMPLE—Unity Lodge 34, 2 story and basement, brick and stone, plain foundation, to Eastern Constr. Co., 335 North Main St., Woonsocket. Archts. est. $150,000. Noted Nov. 3.

Conn., New Haven—LODGE and CLUB—Lodge of Elks, S. E. Hoyt, 195 Church St., 5 story, 60 x 165 ft., brick and steel, Crown St., to Abbadessa & Bros., 168 Grand Ave., New Haven. Archts. est. $300,000. Noted Oct. 20.

N. Y., New York—APARTMENT—B. M. House & Son, Inc., 17 West 96th St., will build 15 story apartment, 229 East 79th St. $900,000. Work will be done by separate contracts. Ellis, Aarson & Heidrick, 25 West 43rd St., archts.

N. Y., New York — APARTMENT — Corporation, c/o Irons & Hoover, 101 Park Ave., will build 15 story and basement, 68 x 102 ft. apartment, 25 East End Ave. $630,000. Work will be done by separate contracts. Cross & Cross, 385 Madison Ave., archts.

N. Y., New York—APARTMENT—G. and L. Impvt. Corp., 1281 Boscobel Ave., will build 6 story, 110 x 142 ft., brick, Gouverneur and Van Cortlandt Aves., $250,000; and 6 story, 87 x 150 ft. brick on Gouverneur Ave., $150,000. Work will be done by separate contracts. C. S. Clark, c/o owner, archt.

N. Y., New York — APARTMENT — Namalc Realty Co., 152 West 42nd St., will build 15 story and basement, 100 x 125 ft., brick and steel, plain foundation, West End Ave. and 93rd St. $800,000. Work will be done by separate contracts. Sugarman & Berger, 345 Madison Ave., archts. C. Mayer, 31 Union Sq., engr.

N. Y., New York—APARTMENTS—Two Thousand Eight Hundred University Ave. Corp., 1841 Bway., will build three 5 story and basement, 88 x 116 ft., brick, Holland Ave. near Burke Ave. $525,000. Work will be done by separate contracts. S. J. Kessler, 529 Courtland Ave., archt.

N. Y., New York—APARTMENT—Four Hundred Forty West 34th St. Corp., S. Mayer, 31 Union Sq., 16 story and basement, 78 x 100 ft., brick and steel, 434-444 West 34th St., to J. H. Taylor Constr. Co., 31 Union Sq. Archts. est. $650,000.

N. Y., New York—APARTMENT HOTEL—Three East Sixty-Sixth Street Corp., c/o J. F. Whitman, archt., 551 5th Ave., general contract 15 story and basement, 34 x 90 ft., apartment hotel, 3 East 66th St., to Natatorium Constr. Co., 551 5th Ave. Archts. est. $546,000.

N. J., Bloomfield — APARTMENT — Cleremont Co., Inc., 327 Renner Ave., Newark, will build 5 story and basement, 85 x 155 ft., brick and steel, plain foundation, 165 Franklin St. $175,000. Work will be done by separate contracts. E. V. and C. F. Warren, Essex Bldg., Newark, archts. Noted Nov. 24.

N. J., East Orange—APARTMENT—S. Goldfarb & S. P. Serota, Inc., 1060 Broad St., Newark, will build 4 story and basement, 80 x 130 ft., brick and steel, plain foundation, Elmwood Ave. and Oak St., here. $150,000. Work will be done by separate contracts. R. Krueger, 60 Branford Pl., Newark, archt.

N. J., Irvington (Sta. Newark) — THEATRE, STORE and APARTMENT—Goldbloom Realty Co., L. Goldfarb, pres., 837 Broad St., Newark, will build 2 story and basement, 100 x 195 ft., rein.-con., brick and steel, plain foundation, Chancellor and Union Aves. $150,000. Work will be done by separate contracts.

N. J., Newark—OFFICE—W. Lehman, archt., 972 Broad St., general contract 4 story and basement, 32 x 150 ft., brick and steel, plain foundation, 56 Park Pl., to E. M. Waldron & Co., Inc., 27 Central Ave., for Feist & Feist, 738 Broad St. Archts. est. $150,000. Noted Nov. 10.

N. J., Orange — APARTMENT — M. T. Realty Co., 810 Broad St., Newark, will build 4 story and basement, 100 x 110 ft., brick and steel, plain foundation, 264 Washington St., here. $150,000. Work will be done by separate contracts. H. F. Clark, 38 Clinton St., Newark, archt.

N. J., Orange—APARTMENT—Security Investment Realty Co., 17 Academy St., Newark, will build 4 story and basement, 90 x 115 ft., brick and steel, plain foundation, 460 Central Ave. $200,000. Work will be done by separate contracts. D. J. Scrocco, 60 Park Pl., Newark, archt.

N. J., Passaic — APARTMENT — Burg Bros., 171 Howard St., will build 4 story and basement, 80 x 125 ft., brick and steel, plain foundation, 98-104 Passaic St. $200,000. Work will be done by separate contracts. Preiskel & Skvarla, 591 Main Ave., archts. Noted Nov. 10.

N. J., Passaic—APARTMENT—Passaic Securities Co., 631 Main Ave., will build 3 story and basement, 90 x 135 ft., brick and steel, plain foundation, Summer St. $150,000. Work will be done by separate contracts. Preiskel & Skvarla, 591 Main Ave., archts. Noted Nov. 10.

N. J., Passaic—APARTMENT—L. Stein, 231 Lexington Ave., will build 4 story and basement, 85 x 134 ft., brick and steel, plain foundation, 190-192 Lexington Ave. $225,000. Preiskel, & Skvarla, 591 Main Ave., archts. Noted Nov. 10.

N. J., Union City—APARTMENT—S. DeSena, Anderson Ave., Fairview, will build 5 story and basement, 50 x 100 ft. brick and steel, plain foundation, Palisade Ave. $150,000. Work will be done by separate contracts. P. O. Simone & Co., Inc., 100 Sip Ave., Jersey City, archts.

Pa., Newell—Pittsburgh & Lake Erie R.R. Co., A. R. Mayner, asst. vice pres. and ch. engr., Pittsburgh, general contract 4 story and basement, approximately 80 x 100 ft., concrete, brick and steel Y. M. C. A. here, to Rust Eng. Co., 311 Ross St., Pittsburgh. Archts. est. $150,000. Noted Nov. 3.

Pa., Phila.—APARTMENT—W. Frelhofer, 20th and Indiana Sts., 4 story and basement, 110 x 178 ft., brick and steel, plain foundation, Orange and York Sts., to S. Brenner, 5936 Ogontz St. Archts. est. $200,000.

Pa., Phila.—BANK and OFFICE—Ritter & Shay, archts., Packard Bldg., 4 story and basement, 77 x 160 ft., rein.-con., brick and steel, plain foundation, Broad and Stiles Sts., to Murphy & Quigley, 1518 Sansom St., for Broad Street Trust Co., c/o S. E. Kraus, Juniper and Walnut Sts. Noted Oct. 13.

Pa., Pittsburgh—WAREHOUSE and OFFICE—Iron City Electric Co., 436-7th St., general contract 5 story and basement, brick, concrete and steel, 7th Ave., to W. F. Trimble & Sons, 1719 Penn Ave. Archts. est. $200,000.

Buildings—Commercial (Continued)

Md. Baltimore — APARTMENT — Baltimore Apartments Co., 4 story and basement, 100 x 115 ft., brick and steel, 2905 North Charles St., to H. M. Reinhart, Calvert Bldg., $300,000. Noted Nov. 17.

Tenn., Knoxville—THEATRE—Graven & Mayger, archts., 180 North Michigan Ave., Chicago, Ill., 3 story, brick and steel, here, to George A. Fuller Co., 949 Bway., New York City, for Tennessee Enterprises, Inc. Archts. est. $600,000. Noted Oct. 27.

O., Barberton—STORE—Weisberger Co., Inc., 4 story and basement, brick, steel and concrete, Tuscarawas and 4th Sts., to Bernard Constr. Co., Barberton, $150,000.

Ind., South Bend—OFFICE—W. Happ, 224 Sherland St., general contract rein.-con., brick and steel, Michigan and Jefferson Sts., to H. G. Christman, 306 South Notre Dame St. Archts. est. $200,000. Noted Nov. 17.

Mich., Detroit — CLUB HOUSE — Embassy Club, 826 Buhl Bldg., 16 story and basement, 100 x 134 ft., rein.-con., brick and steel, plain foundation, Temple Ave., to C. S. Barry Co., 2631 Woodward Ave. Archts. est. $2,000,000. Noted Apr. 7.

Ill., Chicago—CLUB—Lincoln Athletic & Beach Club, c/o W. T. Bailey, 3621 South State St., general contract 8 story and tower, 50 x 125 ft., incl. outside swimming pool, glass enclosed, etc., 4427 South Parkway, to Windham Bros. Contg. Co., 4601 South Parkway. Archts. est. $600,000.

Ill., Chicago—H. Berlin & Swern, archts., 19 South La Salle St., general contract 10 and 12 story and basement, 150 x 150 ft. shaped, Dearborn and Oak Sts., to R. F. Wilson Co., 1851 Elston Ave., for Y. W. C. A., 59 East Monroe St. Archts. est. $1,000,000. Noted Oct. 2.

Ill., Downers Grove—THEATRE, STORE and OFFICE—E. T. Behrens, archt., 605 North Michigan Ave., masonry contract 2 story, 94 x 198 ft., brick and stone, here, to S. Haugan, 2730 Coyle St., Chicago; rein.-con., to E. Otto, Downers Grove; carpentry, to L. Schultz, Downers Grove; rein.-con. slabs, to Federal Tile Co., 104 South Michigan Ave., Chicago, structural steel, to Sprague Iron Wks., 4400 Addison St., Chicago, for Du Page Building Corp. Archts. est. $150,000. Noted Nov. 10.

Ill., Oak Park—APARTMENT—N. B. Schreiber, c/o Alexander & Brandt, archts., 64 East Jackson Blvd., Chicago, masonry contract 3 story and basement, 141 x 150 ft., Washington Blvd., here, to J. Busa & Sons, Inc., 4716 North Tallman Ave., Chicago; plumbing, to J. J. Daly, 231 East Illinois St., Chicago; heating, to Economy Plumbing & Heating Co., 1308 South Crawford Ave., Chicago; sheet metal, to United Sheet Metal Co., 3143 5th Ave., Chicago; and carpentry work, to A. L. Richey, 3826 West End Ave., Chicago. Archts. est. $350,000. Noted Oct. 27.

Ia., Marshalltown — HOTEL — Eppley Hotel Co., Hotel Fontenel, Omaha, Neb., 8 story, 125 room, rein.-con., brick and steel, here, to H. L. Stevens & Co., 30 North Michigan Ave., Chicago, Ill. Archts. est. $500,000. Noted Nov. 17.

Kan., Wichita—OFFICE—G. H. Siedhoff Constr. Co., Broadview Hotel Building, will build 6 story and basement, 100 x 300 ft., rein.-con., brick and stone, West Douglas St., by day labor. $400,000.

Mo., St. Louis—APARTMENT—A. Stein, 7003 South Grand Blvd., will build 3 story and basement, 110 x 132 ft., brick, stone and terra cotta, rubble stone foundation, Bates and Grace Sts. Work will be done by separate contracts. E. E. Christopher, 1221 Louderman Bldg., archt.

Mo., St. Louis—OFFICE—William Fox Film Co., 55th St. and 10th Ave., New York City, 4 story and basement, rein.-con., brick and steel addition, Washington Blvd. near Grand Blvd., here, to Aronberg & Fried, Inc., 21 East 40th St., New York City. Archts. est. $200,000.

Okla., Tulsa—OFFICE—A. M. Atkinson, archt., Midcontinental Bldg., 10 story and basement, 50 x 140 ft., rein.-con. and brick, plain foundation, Boulder St., to Shallenberger Constr. Co., 1631 East 6th St., for Oklahoma Natural Gas Co., 117 West 4th St. $470,000. Noted Nov. 17.

Calif., Los Angeles—APARTMENTS—J. H. Miller, 317-318 Douglas Bldg., will build 87 x 155 ft. apartment, Vermont and Ambrose Sts. $250,000, 80 x 140 ft. apartment, 41st Pl. and Figueroa St. $325,000, apartment, 1807 North Wilton Pl. to exceed $150,000, 50 x 120 ft. apartment, 9th and Berendo Sts. $175,000, and 60 x 240 ft. apartment, Vermont and New Hampshire Aves. $400,000, all foregoing 5 story, rein.-con. and steel. Work will be done by separate contracts. Private plans.

Calif., Los Angeles—HOTEL, THEATRE and APARTMENTS—J. H. Miller (owner, builder and archt.), 317-318 Garland Bldg., will build 13 story hotel and theatre, North Western Dist., to exceed $1,000,000; and two 5 story 176 x 210 ft. apartments, and one 2 story garage, rein.-con., Country Club Dr. and Norton Ave. $825,000.

Calif., San Francisco—APARTMENT—J. A. Pasqualetti, 785 Market St., will build 6 story and basement, concrete, Greenwich St. near Van Ness Ave., by day labor. $175,000.

Calif., San Francisco—MERCANTILE—Butler Bros., 495 Bway., New York City, 7 story and basement, rein.-con., Fremont and Howard Sts., to Macdonald & Kahn, Financial Center Bldg., approximately $700,000.

Calif., San Pedro—CITY HALL—Dept. Pub. Wks. will build 7 story and basement, 100 x 116 ft., steel and rein.-con., by day labor. $500,000. Former bids rejected.

Buildings—Industrial

Proposed Work

Mass., Boston—BOILER HOUSE—City, Hospital Dept., had revised plans prepared by J. H. Ritchie & associates 250 Stuart St., altering and constructing 1 story, brick and steel addition, plain foundation, Albany St. $200,000. Former contract rescinded. R. D. Kimball & Co., 6 Beacon St., engrs. Noted Aug. 11.

Mass., Lynn—BOILER HOUSE—Lynn Gas & Electric Co., 90 Exchange St., having plans prepared 1 story, 65 x 90 ft., rein.-con., brick and steel, plain foundation, off Broad St. To exceed $40,000. Stone & Webster, 49 Federal St., Boston, engrs.

Conn., Norwalk — GARAGE, REPAIR SHOP and SHOWROOM—Vaast Bros., 17 Chestnut St., had plans prepared 1 story, 105 x 180 ft., rein.-con., brick and steel, Connecticut and Glenwood Aves. $75,000. Private plans.

N. Y. New York — POWER PLANT — United Electric Light & Power Co., 130 East 15th St., having plans prepared power plant addition, incl. Brown-Boveri generator, two 160,000 kw. Westinghouse generators, for high and low pressure on same shaft for Hell Gate Plant. $15,000,000-$20,000,000. T. E. Murray, 55 Duane St., engr.

N. Y., New York—POWER PLANTS, etc. —New York Edison Co., 15th St. and Irving Pl., having plans prepared power plant addition, incl. single shaft 160,000 kw. General Electric generator, East River and 14th St., building only $200,000, total $4,000,000, and tie station, incl. two 40,000 kw. frequency chambers, transformers and circuits breakers, Water Side plant, foot 40th St., building only $500,000, total $3,000,000, T. E. Murray, 55 Duane St., engr. on above; also takes bids after Dec. 8 (selected list of contractors), sub-station addition, 6th St., building only $250,000, takes bids in January (selected list of contractors), sub-station, incl. a.c. type distributing station, Tibbetts Ave. and 238th St., $150,000, and takes bids in March (selected list of contractors), sub-station, Dey and Washington Sts., to exceed $150,000. W. Whitehill, 709 6th Ave., archt. on above.

Pa., Etna (mail Pittsburgh)—FACTORY —Etna Forge & Bolt Co., Commonwealth Bldg., Pittsburgh, having plans prepared 1 story, 50 x 200 ft., brick and steel addition, here. $40,000. Private plans.

Pa., Norristown—FACTORY and WAREHOUSE—Norristown Magnesia & Asbestos Co., having plans prepared 1 story, 115 x 280 ft., factory and warehouse. $100,000. Private plans.

W. Va., Wheeling — FACTORY — A. Fokker Aircraft Corp., c/o L. Spencer, 383 Madison Ave., New York City, plans commercial airplane factory, here. $1,000,000.

Miss., Wesson—FACTORY—Kraft Cheese Co., 400 Rush St., Chicago, Ill., soon lets contract 1 story, 60 x 120 ft., with 27 x 30 ft. intake wing, and 25 x 36 ft. boiler room, all concrete and brick, here. Private plans.

La., Kaplan—RICE MILL—A. Bonnin having plans prepared 4 story, rein.-con., brick and steel, plain foundation. $150,000. J. W. Embry, Crowley, engr.

Tenn., Memphis—PLANT and WAREHOUSE—Shelby Electric Co., 392 South Main St., had plans prepared by E. L. Harrison, Fidelity Bank Bldg., 1 story, 75 x 100 ft., face brick, Iowa and Michigan Sts. $40,000.

O., Columbus—POWER HOUSE—C. E. Steel, secy. Bd. Trustees Ohio State University, takes bids early in 1928, 1½ x 120 ft., brick and steel addition, 46 ft. high, on Ohio State University campus. $160,000. W. C. McCracken, Ohio State University, engr.

O., West Union—REPAIR GARAGE—G. F. Schlesinger, dir. Dept. Hys. & Pub. Wks., Ohio Hartman Bldg., Columbus, having sketches made by H. B. Briggs, Ohio-Hartman Bldg., Columbus, 1 story, brick, steel and concrete, here. $50,000.

Mich., Detroit—AUTO PARTS FACTORY —Detroit Lubricator Co., 5842 Trumbull Ave., having plans prepared by R. C. Derrick, 120 Madison Ave., 2 story, 65 x 110 ft., rein.-con. and brick, plain foundation, Trumbull Ave. $50,000.

Mich., Detroit—ENAMELING PLANT—Chrysler Corp., 341 Massachusetts Ave., had plans prepared by Smith, Hinchman & Grylls, 800 Marquette Bldg., 1 and 2 story, 60 x 400 ft., brick and steel, plain foundation, East Jefferson Ave.

Ill., Chicago — FACTORY — Zimmerman, Saxe & Zimmerman, archts., 212 East Superior St., take bids about Dec. 10, altering and constructing 2 and 7 story and basement, 100 x 173 ft. irregular shaped, brick, steel and stone addition, 1750 North Ashland Ave., for Northwestern Yeast Co., 1750 North Ashland Ave.

Ill., Chicago — FACTORY — Campbell Soup Co., 2nd and Market Sts., Camden, N. J., soon lets contract large factory on 22 acre site, covering 1,050,000 ft. floor space, rein.-con., etc., West 35th St. and Panhandle R.R. tracks, here. Battey & Kipp, 231 South La Salle St., engrs.

Ill., Chicago—WAREHOUSE and SALES ROOM—N. M. Dunning, archt., 25 East Jackson Blvd., soon lets contract 3 story and basement, rein.-con. and brick, Cottage Grove Ave. and 23rd St., for General Tire & Rubber Co., 1312 South Michigan Ave. $200,000.

Ill., Chicago — FACTORY — A. Epstein, archt., 2001 West Pershing Rd., soon takes bids 3 and 4 story, 38 x 300 ft., rein.-con. and brick, Augusta and Cicero Aves., for Schutter-Johnson Candy Co., 20 North Jefferson St. $300,000.

Ill., Chicago—WAREHOUSE—General Tire & Rubber Co., 1708 East Market St., Akron, O., having plans prepared by N. M. Dunning, 310 South Wabash Ave., warehouses, Cottage Grove Ave. and 23rd St., here. $100,000.

Ill., Girard — SHOE FACTORY — Magnolia Shoe Co., c/o Manske & Bartling, archts., 410 North Euclid Ave., St. Louis, Mo., having preliminary plans prepared 2 story, 100 x 320 ft., rein.-con., brick and steel, here.

Minn., Minneapolis — REPAIR and SERVICE GARAGE—J. Rosenberg, 2635 Girard Ave. S., having plans prepared by P. E. Crosier, 916 New York Life Bldg., 1 story, 83 x 120 ft., repair and service garage, Hennepin Ave. and 24th St. $45,000.

Minn., Minneapolis—BAKERY — Continental Baking Co., 211-12th St., S., having plans prepared 1 story and basement, rein.-con., brick and Bedford stone addition, 209-12th St. S. $75,000. Private plans.

Ia., Manning—POWER PLANT—Manning Light Co. having plans prepared power plant. $200,000. Private plans.

Mo., Kansas City—SERVICE STATION —United Motor Serv., Inc., 2701 Warwick Blvd., having plans prepared by R. H. Sanderman, 519 Lee Bldg., 2 story and basement, 100 x 125 ft., brick, 25th and McGee Sts. $40,000.

Mo., St. Louis — FOUNDRY — Century Electric Co., 1806 Pine St., having plans prepared by L. B. Pendleton, 73 DeMenil Bldg., 1 story, rein.-con., and brick, Spring and Market Sts. $200,000.

Tex., Ft. Worth—PLANT—Montgomery Ward & Co., R. D. Halbower, mgr., soon takes bids 8 story, 220 x 360 ft., 500,000 sq.ft. floor space, concrete, red tile and terra cotta, Camp Bowie Blvd. $2,000,000.

Tex., Sabine—REFINERY—Shell Union Oil Corp., 65 Bway., New York City, acquired site and plans gasoline refinery in and near here.

Tex., San Angelo — POWER PLANT — West Texas Utilities Co., Abilene, soon takes bids power plant addition, incl. additional boiler, extending fireproof building and installing 6,000 kw. turbine complete with auxiliaries, here. $500,000. Sargent & Lundy, 72 West Adams St., Chicago, Ill., engrs.

Okla., Oklahoma City—FACTORY—Sheffield Steel Co., Ry. Exch. Bldg., St. Louis, Mo., having preliminary plans prepared 1 story, steel, plain foundation, Klein St., here. $100,000. Engineer and architect not announced.

Wash., Seattle — BOILER ROOM and PLANT—See "Buildings-Educational, Religious."

Wash., Wenatchee — SUB-STATION — Great Northern R.R. Co., J. R. W. Davis, ch. engr., St. Paul, Minn., plans substation, incl. 7,500 kva. frequency charger set, here. $200,000.

Wash., Wenatchee — SUB-STATION — Puget Sound Power & Light Co. plans sub-

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Buildings—Industrial (Continued)

station opposite Great Northern R.R. Station, here. $100,000.

Ore., Klamath Falls—SAW MILL—Weyerhauser Timber Co., G. Long, mgr., Tacoma Bldg., Tacoma, Wash., plans 100,000,000 ft. capacity saw and planing mill on Klamath River, point 4 mi. southwest of here. $250,000.

Calif., Huntington Park — FURNITURE FACTORY—S. Karpen & Bros., c/o Hamm, Grant & Bruner, Inc., engrs., Ferguson Bldg., Los Angeles, having plans prepared 4 story, rein.-con., Irvington St. $250,000.

Calif., Los Angeles — BOILER SHOP — Standard Boiler & Steel Wks., (owner and archt.), 221 Queirolo St., G. J. Kuhrts, Jr., genl. mgr., had plans prepared 1 story, 70 x 240 ft. addition. To exceed $40,000.

Calif., Los Angeles—FACTORY—Brunswick-Balke-Collender Co., 84 South Los Angeles St., having preliminary plans prepared by Morgan Co., 740 South Bway., 1 story, 177 x 400 ft., probably concrete and steel, Mines Ave. and Galada St. $300,000.

Calif., Los Angeles—FACTORY—C. F. Plummer, archt., 1108 Story Bldg., soon takes bids (1st unit) 100 x 100 (ultimately 100 x 300 ft.) fireproof, Union Pacific Industrial Tract, for Sterling Electric Motors, Inc., 124 West 4th St.

Calif., Los Angeles—FURNITURE FACTORY—Bauman Bros., 6527 McKinley St., had plans prepared by H. K. Boone, Higuera Bldg., Culver City, 2 story, 60 x 165 ft., furniture factory, St. Andrews Ave. between 62nd and 64th Sts. $75,000.

Calif., Los Angeles—ICE PLANT—Merchants Ice & Cold Storage Co., 518 Seaton St., had plans prepared by L. A. Parker, 1105 Kerckhoff Bldg., 2 story and basement, 54 x 71 ft., rein.-con., 518 Seaton St. $100,000.

Bids Desired

Mass., Boston—POWER PLANT—Dec. 15, by Penal Institutions Dept., City Hall, P. A. Chapman, comr., 1 story, brick and steel, plain foundation, Deer Island, Boston Harbor. To exceed $50,000. J. H. Ritchie & associates, 250 Stuart St., archts.

Mass., Boston—REPAIR and SERVICE —A. J. Wilson, c/o B. S. Brown, archt., 65 Franklin St., taking bids 1 story, rein.-con. and steel, plain foundation, 33 Miller St. $40,000.

Mass., Cambridge (Boston P. O.)—SHOP —Cambridge Sheet Metal Co., 295 Franklin St., taking bids 1 story, 60 x 85 ft., brick addition, plain foundation, Franklin St. E. T. P. Graham, 171 Newbury St., Boston, archt.

Mass., Dorchester (Sta. Boston)—SERVICE GARAGE, SHOWROOM and REPAIR SHOP—Pickwick Garage, c/o L. Kopzynski, archt., 80 Federal St., Boston, taking bids 1 story, 60 x 160 ft., rein.-con. and steel, plain foundation, 711 Columbia Rd., here. To exceed $40,000.

Mass., Dorchester (br. Boston)—STOREHOUSE, etc.—Dec. 6, by Monks & Johnson, engrs., 99 Chauncey St., Boston, 3 story, 65 x 105 ft., rein.-con., brick and steel storehouse plain foundation, and paving, Baker Court, Milton Lower Mills section, here, for Walter Baker & Co. Ltd., Prce. Sq., Boston. H. C. Gallagher, pres. $150,000 or more.

Mass., Melrose (Ind. br. Boston) — PRINTING PLANT—Melrose Free Press, Inc., E. J. MacLean, mgr., 504 Main St., taking bids 1 story, 50 x 80 ft., brick and stone, plain foundation, West Foster St. $40,000 incl. equipment. T. Hixon, 4 Liberty Sq., Boston, archt.

Mass., North Woburn (mail Woburn)—PATENT LEATHER PLANT—See "Contracts Awarded."

N. J., Hoboken—BAMBOO FACTORY—See "Contracts Awarded."

N. J., Keansburg — ICE STORAGE PLANT—See "Contracts Awarded."

Pa., Phila. — STORAGE — Dec. 2, by Dept. City Transit, Broad St. Subway, 1 story and basement, 82 x 141 ft., steel and brick storage building, incl. fencing and gates, etc.

Ga., Atlanta—AUTO ASSEMBLY PLANT —A. Kahn, archt., 1000 Marquette Bldg., Detroit, Mich., taking bids 1 story, 483 x 762 ft. auto assembly plant, 162 x 202 ft. service parts building, and 3 story 65 x 240 ft. office building, all brick, steel and rein.-con., plain foundation, Sawtell Rd., here, for Chevrolet Motor Co., General Motors Bldg., Detroit, and 445 Whitehall St., Atlanta, Ga.

Wis., Marshfield — WAREHOUSE — Marshfield Canning Co. taking bids 1 story, 64 x 120 ft. warehouse addition, also 1 story, 32 x 64 ft. canning factory addition. Private plans.

Kan., Manhattan — POWER HOUSE — Dec. 15, by C. D. Cuthbert, archt., State House, Topeka, 3 story and basement, 51 x 201 ft., and 81 x 108 ft., rein.-con. and stone, here, for Kansas State Agricultural School. $325,000, incl. equipment. Noted Oct. 6.

Tex., Brownsville — ICE PLANT — See "Contracts Awarded."

Tex., San Benito—ICE PLANT—See "Contracts Awarded."

Calif., Los Angeles—FACTORY—Bauman Bros., 6527 McKinley St., taking segregated bids 2 story, 60 x 165 ft., brick and steel, St. Andrews Pl. between 63rd and 64th Sts. $75,000. H. K. Boone, Washington Blvd., Culver City, archt. Noted Dec. 1.

Calif., Richmond — DISTRIBUTING PLANT—F. R. Seaver, c/o Parr Terminal Co., Ferry Point, taking bids distributing plant at Potrero Point, for Petroleum Securities Co., Petroleum Security Bldg., Los Angeles. $1,500,000. Eng. Dept. Owners, engrs. Noted Nov. 17.

Ont., Hamilton — SUB-STATION — See "Contracts Awarded."

Contracts Awarded

Me., Wilton — PLANT — Wilton Woolen Co., 2 and 3 story and basement, 50 x 60 ft., and 70 x 110 ft., brick and steel, addition, plain foundation, to J. H. Kerr, Rumford. Noted Nov. 17.

Mass., Cambridge (br. Boston)—FACTORY—Ginn & Co., 215 1st St., 1 story, rein.-con., brick and steel addition, caisson foundation, to Scully Co., Kendall Sq. Bldg.

Mass., Cambridge (br. Boston) — REPAIR and SERVICE GARAGE — R. C. Grovestein, 5 Brattle St., 1 story, 75 x 140 ft., rein.-con. and steel, plain foundation, Sparks St., to E. H. McKeever, 61 Springfield St., Somerville. Archts. est. $40,000.

Mass., Dorchester (Sta. Boston)—FACTORY—Skinner Organ Co., 197 Sydney St., altering and reconstructing 3 story, brick and plain foundation, Sydney St., to J. Gascoigne, 6 Beacon St., Boston. Archts. est. $40,000.

Mass., Dorchester (Sta. Boston)—SUB-POWER STATION—City of Boston, Transit Dept., 1 Beacon St., 1 story and basement, rein.-con., brick and steel plain foundation, Beale St., here, to White Constr. Co., 11 Beacon St., here. $50,000. Noted Nov. 3.

Mass., Everett (br. Boston)—SUB-STATION—Malden Electric Co., 139 Pleasant St., Malden, 3 story, 30 x 65 ft., rein.-con. and brick, plain foundation, Thorndike St., to Coleman Bros. Co., 245 State St., Boston. Engrs. est. $500,000.

Mass., Lawrence — ARTIFICIAL ICE PLANT—B. L. McDonald, 398 Essex St., 1 story, 60 x 190 ft., brick and steel, plain foundation, Andover St., to L. C. Cyr, 45 Melrose St. Archts. est. $40,000.

Mass., North Woburn (mail Woburn)—PATENT LEATHER PLANT—E. H. Merrill, Winchester, and H. P. Peterson, Woburn, will rebuild Peterson-Merrill plant, here. $100,000. Work will be done by separate contracts. Private plans. Noted Nov. 3.

Mass., Roxbury (Sta. Boston) — SUB-STATION — Edison Electric Illuminating Co., 39 Boylston St., Boston, Station 143, 1 story, 45 x 75 ft., rein.-con., brick and steel, plain foundation, Humboldt Ave., here, to J. A. Fitzgerald Constr. Co., 38 Chauncy St., Boston. Archts. est. $100,000. Noted Nov. 17.

Mass., Woburn — PLANT — Bay State Leather & Tanning Co., Haverhill, 1 story, 60 x 270 ft., brick and timber, plain foundation, Cross St., to D. McLaughlin & Son, 35 Hudson St. Archts. est. to exceed $40,000.

Mass., Worcester — FACTORY — Worcester Cleansing & Dyeing House, 73 Green St., factory addition, Green St., to G. Venditti, 1056 Main St.

Conn., Waterbury—BAKERY—Reymond Baking Co., 490 South Main St., general contract 1 and 2 story, 110 x 175 ft., rein.-con., brick and steel baking plant, incl. garage facilities, East Main St., to Chas. Kinney & Co., 39 Elmwood Ave., Waterbury. Archts. est. $50,000. Noted Nov. 3.

N. Y., New York—DISTRIBUTING STATION—New York Edison Co., 15th St. and Irving Pl., sub-station addition, West 36th St., to Kenn-Well Constr. Co., 45 East 17th St. Archts. est. $300,000.

N. Y., New York — REPAIR — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., general contract repair shop, 28-32 Vandewater St., to Wiglan Bldg. Co., 145 West 45th St., $62,890. Noted Nov. 10.

N. J., Keansburg — ICE STORAGE PLANT—H. J. Fowler, 235 Creek Rd., will build 1 story, 25 x 50 ft., brick and steel addition, plain foundation. $40,000. Work will be done by separate contracts. Private plans.

N. J., Hoboken—BAMBOO FACTORY—Bamboo & Rattan Wks., 901 Jefferson St., will build 1 story, 100 x 200 ft., rein.-con., brick and steel, plain foundation. $75,000. Work will be done by separate contracts. Private plans.

N. J., Jersey City—WAREHOUSE—Colgate & Co., 105 Hudson St., general contract 2 story, rein.-con., brick and steel addition, Hudson and Grand Sts., to Turner Constr. Co., 420 Lexington Ave., New York City. Archts. est. $150,000.

N. J., Newark — STORAGE and MILL ROOM—Essex Fdry. Co., Murray St., general contract 1 story and basement, brick and steel, plain foundation, Murray St. and Ave. D, to Austin Co., 120 Bway., New York City. Archts. est. $50,000.

N. J., Paterson — FACTORY and ASSEMBLY PLANT — Wright Aeronautical Corp., 238 Lewis St., general contract 1 story, brick and steel, plain foundation, to J. W. Ferguson Co., 152 Market St. Archts. est. $75,000.

Pa., Bethlehem—SILK MILL—Twentieth Century Silk Co., Bishopthorpe and Cherokee Sts., 2 story and basement, 100 x 150 ft., brick and steel addition, to Potruch Constr. Co., 926 Hamilton St., Allentown.

Pa., Houston—SHOPS—Pittsburgh Coal Co., Oliver Bldg., Pittsburgh, general contract one 1 story, 40 x 80 ft., and two 1 story, 40 x 60 ft., brick and steel shops, here, to Fairchance Lumber Co., Fairchance. Archts. est. $40,000.

Pa., McKeesport — PLANT — Columbia Radiator Co., general contract 1 story, 70 x 212 ft., brick and steel addition, here, to Austin Co., Union Trust Bldg., Pittsburgh. Archts. est. $40,000. Noted Nov. 17.

Pa., Neville Island (Pittsburgh P. O.)—MACHINE SHOP—Witherow Steel Co., general contract 1 story, 50 x 240 ft., steel addition, to Hughes Foulkrod Co., 421 7th Ave., Pittsburgh. Archts. est. $60,000.

Pa., Phila.—DAIRY PLANT—Supplee-Wills-Jones Co., 1523 North 26th St., 2 story and basement, 70 x 128 ft., rein.-con., brick and steel, plain foundation, 4717-25 Lancaster Ave., to G. Kessler Contg. Co., 1733 North Marvine St. Archts. est. $80,000.

Pa., Phila.—MANUFACTURING PLANT —Ballinger Co., archts., 12th and Chestnut Sts., 1 and 3 story and basement, 45 x 91 ft., rein.-con., and steel, plain foundation, Richmond and Kennedy Sts., to A. Raymond & Raff, 1635 Thompson St., for C. Lennig & Co., Inc., Richmond and Kenendy Sts. Noted Nov. 17.

Pa., Pittsburgh — PLANT — Selden Co., 339 2nd Ave., general contract altering and constructing 1 story, brick and steel addition, to Taylor Meyer Co., Keystone Bldg. Archts. est. $40,000.

Pa., Pittsburgh—WAREHOUSE—H. J. Heinz, Co., 1962 Progress St., general contract 5 story and basement, 55 x 85 ft., brick and steel addition, River Ave., to Austin Co., Union Trust Bldg. Archts. est. $60,000.

Ga., La Fayette—COTTON MILLS—La Fayette Cotton Mills, 1 story, brick and steel additions, to West Point Iron Wks., La Grange. Archts. est. $100,000.

Miss., Moss Point—BOILER HOUSE—Southern Paper Co. converting oil burning boilers into powdered coal burning boilers, to Combustion Eng. Co., 200 Madison Ave., New York City. Engrs. est. $250,000.

Mich., Detroit—MACHINE SHOP—Lane, Davenport & Peterson, engrs. and archts., Charlevoix Bldg., 1 story, 60 x 126 ft., brick and steel, plain foundation, West Wilson St., to Corrick & Stocker, 11644 Cloverdale Ave., for Gorham Tool Co., 2206 12th St. Archts. est. $50,000.

Mich., Detroit—PORCELAIN PLANT—Natl. Porcelain Enameling & Fdry. Co., 718 Farhill Ave., Dayton, O., (1st unit) 1 story, 56 x 160 ft., brick and steel, plain foundation, Freeland Ave., here, to Cooper-Little Co., 844 Macabees Bldg. Archts. est. $50,000.

Mich., Pontiac—MOTOR CAR FACTORY —Oakland Motor Car Co., superstructure 1 and 2 story, 108 x 760 ft., and 560 x 640 ft., rein.-con., brick and steel, plain foundation, Oakland Ave., to Otto. Misch Co., 159 East Columbia St., Detroit; foundation, to W. E. Wood Co., 1805 Ford Bldg., Detroit. Archts. est. to exceed $2,000,000. This corrects report in Nov. 10 issue.

Ill., Chicago—INDUSTRIAL—Rockwell Barnes Co., 823 South Wabash Ave., 1 story, 45 x 60 ft. rear addition and one story, 65 x 165 ft. top addition, 1511 West 38th St., to Chicago Industrial Constr. Co., 53 West Jackson Blvd. Archts. est. $50,000.

Ill., Salem — SHOE FACTORY — Brown Shoe Co., 1600 Washington St., St. Louis, Mo., general contract Addition A, 3 story, 44 x 102 ft.; Addition B, 3 story, 25 x 28 ft.; and Addition C, 1 story, 28 x 42 ft., to W. I. Guymon, Salem.

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Buildings—Industrial (Continued)

Wis., Milwaukee—STORAGE—Wisconsin Telephone Co., 418 Bway., general contract 1 story, 60 x 189 ft., brick and stone, plain foundation, 4120 State St., to R. L. Reisinger & Co., 466 Oakland Ave. Archts. est. $46,000.

Mo., Kansas City—WAREHOUSE—Bever Product Co., 12th and Crystal Sts., 90 x 150 ft., rein.-con. and brick warehouse, here, to G. P. Reintjes Co., 2517 Jefferson St. Archts. est. $50,000.

Tex., Brownsville—ICE PLANT—Valley Electric & Ice Co., (parent concern, Central Power & Light Co., Frost Bldg., San Antonio), will build 1 story, 50 x 260 ft., ice plant brick, concrete and steel, here, $40,000. By day labor. J. M. Marriott Frost Bldg., San Antonio, archt. Noted Oct. 13.

Tex., San Benito—ICE PLANT—Valley Electric & Ice Co., c/o F. C. Ludden, mgr., San Benito, will build 1 story, 50 ton capacity, brick, concrete and steel, here, by day labor. $100,000. J. Marriott, Frost Bldg., San Antonio, archt.

Calif., Hueneme—PACKING PLANT—Oxnard Citrus Assn., Oxnard, 1 story, concrete, to D. J. Haire, 1051 South Manhattan Pl., Los Angeles, approximately $165,000.

Ont., Hamilton—SUB-STATION—Dominion Power & Transmission Co., 128 King St. E., will build concrete, brick and steel electric sub-station, by day labor. $100,000-$150,000.

Ont., New Toronto—RUBBER FACTORY—Goodyear Tire & Rubber Co., structural steel contract for 4 story and basement, 100 x 125 ft., rein.-con., brick and steel addition, plain foundation, Lake Shore Rd., to McGregor & McIntyre, 1139 Shaw St., Toronto. Archts. est. $175,000. Noted Nov. 17.

Ont., Toronto—PAPERBOARD MILL—Canadian Paperboard Co., H. O. 2 Seigneurs St., Montreal, Que., general contract 2 story and basement, 85 x 88 ft. beater building, 1 story and basement, 40 x 360 ft. machine room, 1 story, 100 x 108 ft. finishing room, 1 story, 60 x 60 ft. machine shop, also pasting machine room, roll storage, raw storage, office building, and boiler plant, all foregoing 1 story, rein.-con., brick and steel, plain foundations, to W. J. Trimble, 73 Adelaide St. W. Engrs. est. $1,000,000. Noted Sept. 15.

Buildings—Educational, Religious

Proposed Work

Me., Westbrook—CONVENT—St. Mary's Roman Catholic Church, W. J. Culbert, pastor, having preliminary plans prepared by J. J. O'Shaughnessy, 80 Boylston St., Boston, 2 story and basement, brick and stone, plain foundation. $150,000 or more.

Mass., Andover—LIBRARY and DINING HALL—Phillips Andover Academy, J. H. Buttimer, supt. buildings, plans library and dining hall. To exceed $150,000. Engineer and architect not selected.

Mass., Attleboro—HIGH SCHOOL—City, A. Briggs, mayor, City Hall, plans Senior High School. To exceed $150,000. Engineer and architect not selected.

Mass., Boston—UNIVERSITY—Boston University, D. L. Marsh, pres., 688 Boylston St., plans university group, Commonwealth Ave. and Bay State Rd. To exceed $150,000.

Mass., Boston — SOCIETY — Women's Council of Boston University, c/o E. O. Fish, 135 Winthrop Rd., Brookline, plans society building, Bay State Rd. $250,000. Engineer and architect not selected.

Mass., Gloucester — HIGH SCHOOL — City, H. H. Parsons, mayor, plans high school. $1,000,000. Engineer and architect not selected.

Mass., Medford (br. Boston) — GYMNASIUM — Tufts College, J. A. Cousens, pres., having preliminary sketches made by Andrews, Jones, Biscoe and Whittmore, 50 Congress St., Boston, 2 and 3 story, brick, college grounds. $150,000-$200,000.

Mass., Medford — MUSIC and DRAMATIC—Tufts College, J. A. Cousens, pres., having sketches made by Andrews, Jones, Biscoe & Whittmore, 50 Congress St., Boston, 2 story and basement, brick and limestone, plain foundation, on campus. $250,000.

Mass., Newton—SCHOOLS—City, E. O. Childs, mayor, City Hall, plans Horace Mann School, Watertown St., here, also Claflin School, in Newtonville, $150,000 or more. Engineer and architect not selected.

Mass., Northampton — SCHOOL — St. Mary's Roman Catholic Church, T. B. Cummings, pastor, 3 Elm St., plans 2 or 3 story and basement, brick and stone school. $150,000. Engineer and architect not selected.

Conn., West Hartford (br. Hartford)—HIGH SCHOOL—Town, School Bd., having plans prepared by R. F. Barker, 43 Farmington Ave., Hartford, Junior High School, 2 story and basement, 60 x 215 ft., rein.-con., brick and steel, incl. art and domestic science department, library, etc. $200,000.

N. Y., Batavia—SCHOOLS—Bd. Educ., 23 Jackson St., C. P. Wells, supt., takes bids about Feb. 1, three 2 story schools one on Union St., one on Hitchins St., and other South Jackson St. $400,000 bonds voted for same. Green & Sons & Hopkins, 1 Niagara Sq., Buffalo, archts. Noted May 5.

N. Y., Brooklyn—HIGH SCHOOL—Bd. Educ., 500 Park Ave., New York City, having plans prepared by W. H. Gompert, Flatbush Ave. extension and Concord St., Abraham Lincoln High School, 3 story, Ocean Parkway, Riverside and West Aves. $2,584,000.

N. Y., Forest Hills (sta. Flushing) — SCHOOL—Maginnis & Walsh, archts., Statler Bldg., Boston, Mass., soon lets contract, 2 story and basement, brick and stone, plain foundation, here, for Our Lady Queen of Martyrs' Church.

N. Y., Huntington — SEMINARY — Catholic Dioceses of Brooklyn, T. E. Molloy, bishop of Brooklyn, had plans prepared by R. J. Reiley, 10 East 41st St., New York City, 4 story and basement seminary, incl. two 3 story wings and 7 story tower, all brick and limestone, on 75 acre site, point 6 mi. from here. $1,500,000.

N. J., Long Branch—CHURCH—R. J. Reiley archt., 10 East 41st St., New York City, soon lets contract, 1 story, tower and basement, 121 x 156 ft., brick and steel plain foundation, here, for Church of Our Star of the Sea. $150,000. Noted July 7.

N. J., Pompton Lakes—HIGH SCHOOL—Bd. Educ., Municipal Bldg., plans 2 story and basement, brick and steel, plain foundation, Lakeside Ave. $150,000. Engineer and architect not selected.

N. J., Rivervale (mail Westwood) — SCHOOL—Bd. Educ. plans 2 story and basement, brick and steel, plain foundation. $150,000. Engineer and architect's names withheld.

N. J., Secaucus (Ind. br. Weehawken)—SCHOOL—Bd. Educ., Town Hall, having plans prepared by W. Mayer, Jr., 711 Bergenline Ave., West New York, 2 story and basement, brick and steel, plain foundation, Back Rd. $150,000.

N. J., Trenton—BUSINESS COLLEGE—Rider Business College, State and Ewing Sts., J. E. Gill, pres., having plans prepared 4 story, brick and steel addition. $350,000. W. W. Soack & Sons, Trenton Trust Bldg., engrs.

Md., Baltimore—GYMNASIUM—Taylor & Fisher, archts., Union Trust Bldg., soon lets contract, 2 story and basement, 74 x 107 ft., stone, concrete foundation, Roland and Belvedere Aves., for Gilman School for Boys, Roland and Belvedere Aves. H. Massart, 328 North Charles St., engr. Noted Nov. 3.

Miss., Vicksburg—CONVENT—St. Francis Xavier having plans prepared by Andry & Feitel, New Orleans Bank Bldg., New Orleans, La., convent. $250,000.

Tenn., Memphis—UNIVERSITY—University of Tennessee, Knoxville, soon lets contract 3 story, concrete, brick and steel library and pharmacy buildings, Union and Madison entrances, here. $400,000. Jones & Furbringer, Porter Bldg., archts.

O., Bedford (br. Cleveland)—SCHOOL—Bd. Educ., R. P. Orchard, clk., having plans prepared by Carter-Richards Co., Engineers Bldg., Cleveland, 2 story and basement, brick, steel and concrete school and additions. $200,000.

O., Columbus — CHEMISTRY — C. E. Steele, secy. Bd. Trustees Ohio State University, having plans prepared by J. N. Bradford, Ohio State University, 5 story and basement, 84 x 150 ft., brick, steel, stone and concrete addition, on campus. $290,000.

O., Kenmore (br. Akron)—SCHOOL—Bd. Educ. having preliminary plans prepared by M. P. Lauer, Pythian Temple Bldg., Akron, 2 story and basement, brick, steel and concrete school. $160,000 bonds voted for same.

O., Lakewood (br. Cleveland)—SCHOOLS—Bd. Educ., G. W. Grill, clk., 1456 Warren Rd., having plans prepared by Howell & Thomas, 3868 Carnegie Ave., Cleveland, 2 story and basement, brick and concrete additions to Roosevelt and Hayes Schools. $250,000. Noted Sept. 29.

O., Northfield—SCHOOL—Summit Co. (Akron) voted $150,000 bonds, school, here.

Ind., Muncie—CHURCH—First Baptist Church, 4 story and basement, rein.-con., brick and Indiana limestone, plain foundation, Jefferson St., to Moirow & Moirow, Muncie, $250,000.

Ind., Noblesville—SCHOOL—Comrs., G. McPherson, trustee, having plans prepared by D. Graham, 1126 Hume-Mansur Bldg., Indianapolis, Federal Hill School, 2 story and basement, 75 x 130 ft., rein.-con., brick and steel, incl. gymnasium, $145,000.

Ark., Ft. Smith—HIGH SCHOOL—Bd. Educ., G. C. Hardin, pres., Merchants Natl. Bank Bldg., takes bids about Dec. 1, 3 story, rein.-con., brick and stone, 23 and B Sts. $300,000. Perkins, Chatten & Hammond, 160 La Salle St., Chicago, Ill., Bassham, Wheeler, Kennedy Bldg., and Haralson & Nelson, Merchants Natl. Bank Bldg., associated archts.

Tex., Panhandle—HIGH SCHOOL—Bd. Educ., c/o C. P. McCullough, having plans prepared by Butler Co., Wilson Bldg., Lubbock, and takes bids about Dec. 15, 2 story, rein.-con., and brick, approximately 12,000 sq.ft. floor space, plain foundation. $150,000.

Tex., Texas City—HIGH SCHOOL—W. C. Hedrick, archt., 1st Natl. Bank Bldg., Ft. Worth, preparing plans and soon takes bids high school, here, for City. $150,000.

Wash., Seattle—HIGH SCHOOL—F. A. Naramore, archt., Central Bldg., takes bids about Dec. 14, 3 story and basement addition to Queen Anne High School, incl. 12 classrooms, assembly hall and balcony, two gymnasiums, boiler room and plant, etc., Highland Pl. and Galer St., for Seattle School Dist. 1, Central Bldg. $300,000.

Ont., Hamilton—COLLEGE—McMaster University Bd., 273 Bloor St. W., purchased McKittrick Estate, 70 acres, and plans 2, 3 and 4 story, rein.-con., brick, steel and stone college, dormitories, etc., plain foundations, $1,500,000. Engineer and architect not selected.

Ont., Ottawa—COLLEGE—Ottawa University, Walter St., having plans prepared 3 story and basement, 130 ft. long, rein.-con., brick and steel addition, incl. chapel, gymnasium and dormitories, plain foundation, Water St. $300,000. Private plans.

Ont., Toronto—CHURCH and SUNDAY SCHOOL — Erskine Ave. United Church, 248 Roncesvalles Ave., plans rebuilding 1 and 2 story and basement, rein.-con., brick and steel, plain foundation, Roncesvalles and Wright Aves., recently destroyed by fire. $160,000. Engineer and architect not selected.

Ont., Toronto — SCHOOL — Bd. Educ., East York Twp., Sammon Ave., plans 2 story and basement, 12 room, rein.-con., brick and steel addition to McGregor School, plain foundation. $175,000. Engineer and architect not selected.

Bids Desired

N. Y., New York — SCHOOL of COMMERCE—Dec. 21, by Bd. Trustees College of City of New York, M. J. Stroock, chn., 139th St. and Convent Ave., general contract Commerce Building, Lexington Ave. and 23rd St. Thompson, Holmes & Converse, 101 Park Ave., archts. Noted Sept. 29.

N. J., Ventnor City (br. Atlantic City)—SCHOOL—Dec. 13, by Bd. Educ., at Troy Ave. School, 3 story and basement, brick and steel, plain foundation, Troy and New Haven Aves. $200,000. H. A. Stout, Guarantee Trust Bldg., Atlantic City, archt.

Pa., Phila. — SCHOOL — Dec. 6, by Bd. Educ., J. D. Cassell, supt. buildings, 19th and Chestnut Sts., 3 story and basement, 125 x 195 ft., rein.-con. and brick, plain foundation, Shawmont and Avon Sts. I. T. Catharine, 19th and Chestnut Sts., archt.

Fla., Tallahassee—DORMITORY—Dec. 12, by State Bd. Control, State Office Bldg., boys dormitory and extending dining hall for Florida Agricultural & Mechanical College for Negroes. R. Weaver, archt. for State Bd. Control.

Miss., Crystal Springs—SCHOOL—Dec. 5, by Copia Co. Bd. Educ., c/o P. K. Brice, chn., 3 story, 62 x 102 ft., and 55 x 275 ft., rein.-con., brick and steel, rein.-con. foundation, for Consolidated School Dist. C. H. Lindsley, Lamar Life Bldg., Jackson, archt. Noted Oct. 20.

La., Shreveport—HIGH SCHOOL—Dec. 19, by Caddo Parish School Bd., E. W. Jones, supt., 2 story and basement, rein.-con., brick and stone, State St., near Fair Grounds, $400,000. Former bids rejected. E. F. Neild, 1205 City Bank Bldg., archt. Noted Oct. 20.

O., Cleveland — PATHLOGICAL LABORATORY—Dec. 8, by A. Garfield, archt., Natl. City Bldg., 5 story and basement, 57 x 160 ft., brick, steel and concrete, Adelbert Rd., for University Hospital Assn., c/o F. A. Scott, pres., c/o Warner & Swasey Co., 5701 Carnegie Ave. $750,000.

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Buildings—Educational, Religious (Cont.)

Ind., Evansville — HIGH SCHOOL — School Comrs. taking bids 2 story and basement, rein.-con., brick and steel, Garvin and Bellemeade Sts. $300,000. Lewis, Warren-Ronald, Realty Bldg., Louisville, Ky., engrs. Fowler & Karges, Furniture Bldg., archts. Noted Nov. 24.

Mich., Brighton—SCHOOL—Dec. 5, by Bd. Educ., 2 story and basement, 62 x 152 ft., rein.-con., brick and steel, plain foundation. $175,000. Verner, Wilhelm & Molby, 824 Book Bldg., Detroit, archts. Noted Nov. 17.

Mich., Kalamazoo—SCHOOL—Dec. 4, by H. W. Anderson, bus. mgr. Bd. Educ., 2 story and basement, 60 x 205 ft., rein.-con., brick and steel, plain foundation, East Ave. $300,000. E. S. Batterson, 901 Westnedge St., archt. Noted Oct. 13.

Wis., Kenosha—CHURCH—Dec. 3, by Childs & Smith, archts., 720 North Michigan Ave., Chicago, Ill., 60 x 140 ft. church, and 79 x 145 ft. sunday school, rein.-con., brick and stone, Congress St. and Sheridan Dr., here, for Methodist Episcopal Church, 454 West St. Noted Oct. 13.

Mo., Richmond Heights (mail St. Louis) —CHURCH—See "Contracts Awarded."

Calif., Los Angeles—SYNAGOGUE and SCHOOL—A. M. Edelman, archt., H. W. Hellman Bldg., and Allison & Allison, associated archts., Hibernian Bldg., taking bids 120 x 260 ft. synagogue, and 4 story school, Wilshire and Hobart Blvds., for Congregation B'nai B'Rith. Noted Oct. 20.

Contracts Awarded

Me., Brunswick — COLLEGE — Bowdoin College, c/o McKim, Mead & White, archts., 101 Park Ave., New York City, 2 story and basement, 65 x 120 ft., brick, on campus, here, to Cummings Constr. Co., 14 Prospect St., Ware, Mass. Archts. est. $150,000. Noted Nov. 10.

Mass., North Adams—CHURCH—Methodist Episcopal Church, Main St., 1 story and basement, 40 x 65 ft., and 55 x 110 ft., brick and stone, plain foundation, Main St., to J. R. Hampson & Co., Inc., 184 North St., Pittsfield. Archts. est. $150,000. Noted Oct. 27.

Mass., Walpole—HIGH SCHOOL—Town, J. S. Leach, 2 story and basement, brick and steel addition, plain foundation, Common St., to Dacy & Tibbetts, 70 Porter St., Cambridge. Noted Oct. 20.

R. I., Providence — CONVENT — St. Xavier Academy, M. Mathieu, mother, 2 story and basement, brick, steel and cast stone, Pine and Broad Sts., to McIntyre & Sons, 6 Fair Oaks Ave. Archts. est. $150,000. Noted Oct. 27.

R. I., Providence—HIGH SCHOOL—City, Pub. Building Dept., general contract Junior High School, 3 story and basement, 150 x 270 ft., brick and steel, plain foundation, Elmgrove and Taber Aves., Sessions and Emeline Sts., to E. Turgeon, 36 Exchange Pl., $810,517; heating and ventilating, to F. Dupuis, 590 Main St., Pawtucket, $119,500; plumbing, to T. R. Douglas, 22 Sabin St., $59,000; and electrical work, to Peerless Electric Co., 73 Exchange Pl., $22,498. Noted Nov. 3.

R. I., Providence—COLLEGE—Providence College Corp., c/o W. D. Noon, pastor, 4 story and basement, 70 x 155 ft., brick, stone and steel addition, plain foundation, Eaton St. and River Ave., to Bouvier-Brien Constr. Co., 189 Sayles St., Woonsocket. Archts. est. $400,000 or more. Noted Nov. 10.

Vt., Rutland—HIGH SCHOOL—City, A. W. Perkins, mayor, City Hall, 3 story and basement, 200 x 215 ft., brick and stone, plain foundation, Church St., to C. T. Rockeford, 16 Norwich St., Worcester. Archts. est. $300,000. Noted Nov. 17.

N. Y., Brooklyn—CHURCH—Church of Good Shepherd, 4th Ave. and 75th St., general contract church, Avenue S and Batchelder St., to Wilfred Stewart, Inc., 1567 Flatbush Ave. Archts. est. $200,000.

N. Y., Brooklyn—CHURCH—**St. Marks** Roman Catholic Church, Ocean and Jerome Aves., 69 x 156 ft. church, Ocean Ave. between Jerome Ave. and Avenue Z, to T. O'Reilly & Sons, 415 Lexington Ave., New York City. Archts. est. $350,000.

N. Y., Bronxville (Ind. br. Yonkers) — COLLEGE—Sarah Lawrence College, W. V. Lawrence, chn., c/o Davis & Lawrence Co., Bronx Blvd. and 238th St., New York City, general contract 3½ story, brick, Bronxville Rd., here, to Cuzzie Bros., 10 South 2nd Ave., Mount Vernon. Archts. est. $1,250,000. Noted Jan. 6.

N. J., East Orange — SCHOOL — Bd. Educ., 19 Winas St., general contract 2 story and basement, 75 x 128 ft., brick and steel addition to Columbia School, plain foundation, North Grove St., to A. C. Windsor, 205 North Mountain Ave., Montclair. Archts. est. $150,000. Noted Oct. 13.

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N. J., Livingston—SCHOOL—Bd. Educ., Central School, 2 story and basement, brick and steel, plain foundation, to W. G. Sharwell & Co., 377 North 5th St., Newark. Archts. est. $150,000. Noted Nov. 10.

Pa., Ambridge—LIBRARY—A. Laughlin, Beaver Rd., Sewickley, general contract Alexander Laughlin Memorial Library, 1 story and basement, 82 x 82 ft., hollow tile, steel and stone, Church Ave., here, to J. M. Scott, Sewickley. Archts. est. $150,000.

Pa., North Braddock (Braddock P. O.)—HIGH SCHOOL—Bd. Educ., S. R. McClure, Berger Bldg., and Carlisle & Sharrer, archts., Martin Bldg., Pittsburgh, general contract Junior High School, 2 and 3 story and basement, 130 x 216 ft., brick and steel addition, here, to Hodder Constr. Co., Braddock, $279,500. Noted Oct. 20.

Md., Cumberland—CHURCH—St. Mary's Catholic Church, 60 x 200 ft., brick and stone church, to A. L. Will Co., Cumberland, $191,500.

O., Berea—DORMITORY—Baldwin-Wallace College, A. B. Storms, pres., 3 story and basement, 40 x 154 ft., and 40 x 46 ft., brick, steel and concrete, to R. S. Ursprung, 97 East Grand Ave. Archts. est. $200,000. Noted Oct. 27.

Mich., Keego Harbor — SCHOOL — Bd. Educ., Cass Lake, general contract 2 story and part basement, rein.-con., brick and steel, plain foundation, to J. Race, 125 Summit St., Pontiac. Archts. est. $150,000. Noted Oct. 13.

Ind., Lafayette—HIGH SCHOOL—School Comrs., general contract Jefferson High School, 2 story and basement, 165 x 185 ft., rein.-con., brick and steel, incl. gymnasium and auditorium, 9th and Cincinnati Sts., to A. E. Kemmer, 3rd and Brown Sts., $280,-500. Noted Nov. 3.

Ind., Madison—HIGH SCHOOL—School Comrs., general contract 2 story and basement, brick and steel, to W. A. Gutzwiller, Batesville. Archts. est. $150,000. Noted Apr. 28.

Ind., Whiting — CHURCH — Congregational Church general contract Plymouth Congregational Church, 2 story, steel and cut stone, 119th and Stanton Sts., to Anderson Bros., 515 Bway., Gary. Archts. est. $150,000.

Neb., Omaha—CHURCH—Dundee Presbyterian Church, D. McLeod, pastor, 1st Natl. Bank Bldg., general contract (1st unit) irregular shaped, brick, 600 seating capacity, 55th St. and Happy Hollow Blvd., to O. S. Nelson Constr. Co., 1009 Mercer Blvd. $135,000. Archts. est. $225,300.

S. D., Vermillion—UNION—Union Building Com., and M. Thompson plans probably 3 story and basement, rein.-con., brick and stone, on State University campus. $300,-000. Engineer and architect not announced.

Mo., Kansas City — SCHOOL — Horner Institute of Music, 30th and Troots Sts., plans fireproof school, 30th and Troots Sts. $200,000. Engineer and architect not selected.

Mo., Richmond Heights (mail St. Louis) —CHURCH—St. Luke's Roman Catholic Congregation, J. A. McMahon, pastor, 7232 Dale Ave., will build 1 story and basement, 70 x 150 ft., rein.-con., brick and stone, Dale and Bellevue Aves. Work will be done by separate contract under supervision Study, Farrar & Rothenheber, archts., 1363 Arcade Bldg. Archts. est. $175,000. Noted July 21.

Calif., Los Angeles—HIGH SCHOOL—Bd. Educ., 3 story, 60 x 200 ft. with 40 x 50 ft. wing, brick and terra cotta addition to Metropolitan High School, Venice Blvd., to J. F. Kobler, 932 Rimpau Blvd., $208,-478. Noted Oct. 20.

Federal Government Work

Proposed Work

N. Y., New York—Hydrogen Gasometer —Spec. 5479—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans hydrogen gasometer at Navy Yard, here.

N. Y., New York—Motor Generator Sets —Spec. 5486—Bureau Yards & Docks, Navy Dept., Wash., D. C., rejected bids Oct. 26, motor generator sets at Navy Yard, here. Noted Oct. 20.

Wash., Seattle—Dredging—U. S. Engineer Office, Seattle, plans dredging in Tacoma Harbor, here.

Calif., Fort Mason (mail San Francisco) —Gasoline and Oil Station—Constructing Quartermaster, Fort Mason, takes bids about Dec. 7, gasoline and oil storage station, incl. four 9 x 21 ft. steel tanks, pump house with 2 pumps and 2 motors, etc., here.

Bids Desired

N. Y., Governors Island (br. New York) —Power and Lighting System—Dec. 5, by Quartermaster, electric power and lighting system and diesel electric generators.

D. C., Wash.—Excavation, etc.—Dec. 5, by Treas. Dept., at office Supervising Archt., excavation, pipe tunnels, etc., for administration building, Dept. Agriculture, J. A. Wetmore, acting superv. archt.

Ga., Athens—Water Supply Piping—Dec. 14, by Treas. Dept., at office Supervising Archt., Wash., D. C., new brass water-supply piping, etc., in U. S. Post Office and Courthouse, here. J. A. Wetmore, acting superv. archt.

Fla., Pensacola — Compass House and Pigeon Loft—Spec. 5468—Dec. 14, by Bureau Yards & Docks, Navy Dept., Wash., D. C., compass house and pigeon loft, at Naval Air Station, here. Noted Nov. 17.

Ky., Lexington—Mailing Vestibule—Dec. 27, by Treas. Dept., at office Supervising Archt., Wash., D. C., mailing vestibule, etc., at U. S. Post Office, here. J. A. Wetmore, acting superv. engr.; adv. E. N.-R. Dec. 1.

Mo., St. Louis—Motor—Dec. 14, by U. S. Engineer Office, 428 Custom House, one 940 hp. d.c. motor; adv. E. N.-R. Dec. 1. Noted Nov. 24.

Tex., San Antonio — Bank — Federal Reserve Bank, C. C. Walsh, chn., Dallas, taking bids 2 story and basement, 60 x 80 ft., rein.-con., brick and stone, 9,000 sq.ft. floor space, Villita and Navarro Sts., here. $200,000. A. B. and R. M. Ayres, 626 Bedell Bldg., archts. Noted July 21.

California — Road — Dec. 13, by C. H. Sweetser, dist. engr. U. S. Bureau Pub. Rds., Sheldon Bldg., San Francisco, grading, etc., 3.54 mi. road from Squirrel Inn to Pass Sect. Route 65, Bear Valley Natl. Forest Highway, San Bernardino Natl. Forest, San Bernardino Co.

Bids Received

Conn., New Haven—Dredging—U. S. Engineer Office, Providence, R. I., Nov. 22, dredging Mill River, New Haven Harbor, here, from Morris & Cummings Dredging Co., Inc., 15 Moore St., New York City, $33,600. Noted Oct. 20.

N. Y., New York—Garage—Treas. Dept., at office Supervising Archt., Wash., D. C., Nov. 21, garage at U. S. Quarantine Station, here, from W. D. Moore's Son, 554 67th St., Brooklyn, $10,191. Noted Oct. 20.

N. J., Lakehurst—Mooring Mast—Spec. 5510—Bureau Yards & Docks, Navy Dept., Wash., D. C., Nov. 23, mobile mooring mast at U. S. Naval Air station, here, from Steel Products Eng. Co., Dakota Ave. and Columbus St., Springfield, $10,890. Noted Nov. 10.

D. C., Wash.—Retaining Walls—U. S. Veterans Bureau, Arlington Bldg., Nov. 22, retaining walls, roads, walks, fences, etc., at U. S. Veterans Hospital, Mount Alto, here, from Bahen & Wright, 1214 New York Ave. N. W., $11,808. Noted Nov. 3.

Ala., Birmingham—Remodeling—Treas. Dept., at office Supervising Archt., Wash., D. C., Nov. 25, remodeling 1st and 2nd floors U. S. Post Office and Court House, here, from J. F. Dietz, Birmingham, Ala., $14,777. Noted Nov. 3.

Tenn., Johnson — Remodeling — Treas. Dept., at office Supervising Archt., Wash., D. C., Nov. 22, remodeling U. S. Post Office, here, from C. Weitz Sons, 713 Mulberry St., Des Moines, Ia., $16,749. Noted Nov. 3.

Ky., Dawson Springs — Boilers — U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., Nov. 22, 4 horizontal boilers for U. S. Veterans Hospital 79, Outwood, here, from Casey-Hedges Co., Vulcan St., Chattanooga, Tenn., $7,510. Noted Nov. 17.

T. H., Pearl Harbor—Generating Plant Equipment—Spec. 5481—Bureau Yards & Docks, Navy Dept., Wash., D. C., Nov. 23, steam generating plant equipment and piping at Naval Operating Base, here, from F. W. Spencer & Co., Honolulu, $20,000. Noted Sept. 22.

T. H., Pearl Harbor — Refrigerating Plant—Spec. 5482—Bureau Yards & Docks, Navy Dept., Wash., D. C., Nov. 23, refrigerating plant at Naval Operating Base (submarine base), here, from Von Hamm-Young Co. Ltd., Honolulu, $13,725. Noted Oct. 6.

Contracts Awarded

O., Cincinnati—Pontoons—U. S. Engineer Office, 7 steel pontoons to Biggs Boiler Wks., 1007 Bank St., Akron, $11,711; and 25 sections riveted pipe, to Petroleum Iron Wks. Co. of Ohio, Sharon, $2,925. Noted Oct. 13.

Mo., St. Louis—Stone—U. S. Engineer Office, St. Louis, 8,000 cu.yd. stone, to W. N. Damm, Neely's Landing, $11,920; 5,000 cu.yd., to A. J. Bussen, Jefferson Bar-

Federal Government Work (Continued)

racks, $9,250; 3,000 cu.yd., to C. H. Masters, Cape Girardeau, $4,200; 45,000 cu.yd., to Arnold Stone Co., Ste. Genevieve, $65,250; and 15,000 cu.yd., to E. Hely Stone Co., Cape Girardeau, $22,500. Grand total $113,120.

Oregon and Idaho — Railroad — Bureau Reclamation, Boise, Idaho, 24 mi. railroad to Owyhee irrigation dam, to General Constr. Co., Seattle, Wash., $345,312. Noted July 14.

California—Airway Beacons—Dept. Commerce, Wash., D. C., electric airway beacons and intermediate landing field equipment, on Fresno-San Francisco Sect. and Los Angeles-Fresno Sect. for Los Angeles-San Francisco Airway, here, to A. C. Rice, 1957 Santee St., Los Angeles.

Unclassified

Proposed Work

Swimming Pool — Lynn, Mass. — Dept. Schools, plans swimming pool. $25,000 or more. Engineer not selected.

Elimination Grade Crossing—Hartford, Conn.—City plans eliminating grade crossings on Windsor Ave., Canton, Avon and Russell Sts. $1,000,000. R. N. Clark, City Hall, engr.

Dock—Albany, N. Y.—Albany Dist. Port Comn. rejected bids 752 ft. dock at Westerlo Island. Will readvertise. Noted Oct. 27.

Park Improvement—New York, N. Y.—Park Bd., W. R. Herrick, pres. Park Dept., Arsenal Bldg., Central Park, rejected bids Nov. 15, improving land between Jerome and River Aves. between 165th and 167th Sts. Noted Nov. 10.

Stadium — New York, N. Y. — Amer. League Baseball Club, 161st St. and River Ave., making plans 2 tier addition to 1 story portion, on left field side. $150,000. Osborne Eng. Co., Euclid Bldg., Cleveland, O., engrs.

Park Improvements, etc.—Jackson, Miss.—Voted $75,000 bonds, park and playground improvements. W. A. Scott, mayor.

Tunnel — Vicksburg, Miss. — See "Bridges."

Power Unit, Stokers, etc.—Detroit, Mich.—Chrysler Motor Co., Highland Park, plans installation two 800 hp. additional power units. $200,000 each. T. E. Murray, Inc., 55 Duane St., New York City, N. Y., engrs.

Transmission Lines—Del Rio, Tex.—Central Power & Light Co., c/o Frost Bldg., San Antonio, making surveys several transmission lines radiating from new power plant to be built on Devils River, near here, to towns on border and vicinity. $300,000. Private plans. Noted May 19.

Stadium—San Antonio, Tex.—City making preliminary sketches, etc., stadium or amphitheatre at old gravel pit on north side city. $50,000. I. Ewig, city engr.

Transmission Line—Oklahoma—City of Strong, c/o H. V. Jobe, clk., voted $25,000 bonds, transmission line between Hammon and Strong, also distribution system in Strong.

Pipe Line — Oklahoma and Kansas — Larutan Fuel Co., Wichita, Kan., making plans pipe line between northern Oklahoma and Wichita, Kan. $250,000.

Transmission Line, etc.—Oklahoma—City of Lambert, c/o Mayor, voted $25,000 bonds, transmission line between Lambert and Cherokee; also distribution system in Lambert.

Transmission Line—Oklahoma—Southwestern Light & Power Co., Braniff Bldg., Oklahoma City, made preliminary plans 20 mi. 33,000 volt transmission line from Sayre to Texola and distribution system in Texola. $30,000. E. R. Ernsberger, Braniff Bldg., Oklahoma City, engr.

Lighting System—Bristow, Okla.—Voted $27,000 bonds "White Way" lighting system. J. Gano, Bristow, engr. Noted Oct. 27 under "Materials."

Dock and Ferry Slips—Seattle, Wash.—Puget Sound Navigation Co., 1310 Harbor St. S. W., plans altering and extending Colman Dock, incl. two ferry slips and addition to north side of plant, etc. $100,000.

Ice Arena—Fort Erie, Ont.—Fort Erie Artificial Ice Co. having plans prepared 1 story artificial ice plant and hockey arena, 5,000 seating capacity, rein.-con., brick and steel, plain foundation, Douglas St. $175,000. A. W. Connor & Co., Metropolitan Bldg., engrs.

Mining Plant — Kirkland Lake, Ont. — Kirkland Lake Mining Co., plans installing mining plant capable operating to 3,000 ft.

Turntable — Wiarton, Ont. — Canadian Natl. Ry., New Union Sta., Toronto, T. T. Irving, ch. engr., plans new turntable here. $25,000.

Memorial Park — Honolulu, T. H. — Diamond Head Memorial Park, c/o R. J. S. Cahill, archt., 357 12th St., Oakland, Calif., making preliminary plans Diamond Head Memorial Park, incl. columbariam, mausoleum, chapel, offices, etc., here. $200,000.

Bids Desired

Subway — New York — Dec. 21, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York City, constructing Sect. 12, Route 107, Rapid Transit R.R., extending under Manhattan Ave., Newtown Creek, private property, Vernon and Jackson Aves. from Freeman St., Brooklyn Boro to Arch St., Queens Boro.

Chimney, etc.—Brooklyn, N. Y.—Dec. 9, by B. S. Coler, comr. Dept. Pub. Welfare, Municipal Bldg., New York City, erecting radial brick chimney and repairing incinerator plant at Kings County Hospital, here.

Comfort Stations—New York, N. Y.—Dec. 7, by H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., comfort stations, on Bway. opposite Spuyten Duyvil Parkway, White Plains Ave. and Gunhill Rd., Fordham Rd. and Southern Blvd.

Water Lines—Poughkeepsie, N. Y.—Dec. 14, by Dept. Mental Hygiene, Albany, water lines for fire protection at Hudson River State Hospital, here. L. M. Farrington, secy.; adv. E. N.-R. Dec. 1.

Boardwalk—Manasquan, N. J.—Dec. 6, by Boro Council, constructing boardwalk. $35,000. Noted June 2.

Fence and Gates, etc.—Phila., Pa.—See "Buildings—Industrial."

Plumbing and Heating—Gulfport, Miss.—See "Buildings—Commercial."

Gas Line—Louisiana, Arkansas and Missouri—See "Contracts Awarded."

Bulkhead—Milwaukee, Wis.—Jan. 10, at office C. H. Rhodes, purch. agt. Illinois Steel Co., 208 South La Salle St., Chicago, Ill., approximately 2,350 ft. timber bulkhead in Lake Michigan, between Wilcox St. and Russell Ave., here; adv. E. N.-R. Dec. 1.

Gas Distributing System—Big Springs, Tex.—F. A. Hornaday, c/o Maverick Bldg., San Antonio, taking bids natural gas distributing system, incl. pipe for mains and connections, etc., here, for City. $75,000. Private plans.

Underpass, etc., New Braunfels, Tex.—See "Bridges."

Wharf—Charlottetown, P. E. I.—Dec. 6 (extended date), by S. E. O'Brien, secy. Dept. Pub. Wks., Ottawa, Ont., extending wharf, here, for Canadian Natl. Ry., St. James St., Montreal, Que., C. S. Gzowski, ch. engr. (Constr.). Noted Nov. 10.

Contracts Awarded

Foundation — Andover, Mass. — Phillips Andover Academy, concrete foundation for fraternity building, to E. W. Pitman Co., 301 Essex St., Lawrence. Archts. est. $25,000.

Track Work — Boston, Mass. — Transit Dept., 1 Beacon St., special track work Ashmont Sta.-Dorchester Rapid Transit, Items A and C, to W. Wharton, Jr. Co., 938 Old South Bldg., $23,190; and Item B, to Barbour & Stockwell Co., 205 Bway., Cambridge, $3,984. Noted Sept. 29.

Subway Station—Cambridge (br. Boston), **Mass.**—Dept. Pub. Utilities, State House, Boston, altering surface subway station, Harvard Sq., to Guiney & Hanson Constr. Co., 15 School St., Boston. Engrs. est. $25,000. Noted Oct. 6.

Grain Elevator—Framingham, Mass.—Cushing Co., M. M. Post, Broad St., Fitchburg, 1 story, 70 x 100 ft. grain elevator, timber, Hollis St., to H. L. Egan, Newton Pl., Framingham.

Fire Prevention—New York, N. Y.—Bd. Trustees Bellevue & Allied Hospitals, J. J. McGrath, pres., 415 East 26th St., altering and additions to Pavilions "A" and "B," new elevator shaft and elevator in Bellevue Hospital, East 26th St. and East River, to M. D. Lundin Co., 103 East 125th St., $44,730. Noted Nov. 10.

Subway—New York, N. Y.—Bd. Transportation, J. H. Delaney, chn., 40 Lafayette St., constructing Sect. 1 Route 45, Rapid Transit R.R., to Marcus Contg. Co., 305 Bway., $4,722,885; and Sect. 2, Route 45, to Moranti & Raymond, 42 Bway., $5,735,149. Noted Sept. 29.

Culverts—Wash., D. C.—District Comrs., District Bldg., culverts across 16th St., to G. B. Mullin Co., Inc., 1296 Upshur St. N. W.

Gas Line—Louisiana, Arkansas and Missouri—Moody & Seagraves Co., Esperson Bldg., Houston, Tex., will build 432 mi. 24 in. natural gas pipe line from Monroe and Richland, La. to St. Louis, Mo. by own forces. $20,000,000. Dixie-St. Louis Gas Co., subsidiary of owner will operate same.

Traffic Signals, Lighting, System, etc.—Cincinnati, O. — Bd. Rapid Transit, City Hall, traffic signals and lighting system on Central Parkway incl. 41 standards supporting traffic signals and lamps, 23 standards equipped for future traffic signals, twenty-three 4,000 lumens, single units mounted on 20 ft. standards and one hundred and seventy-six 5,000 lumens single units mounted on 15 ft. standards, to Union Gas & Electric Co., 4th and Plum Sts., $69,309. Engrs. est. $105,655.

Coal Handling Device, etc.—Hamilton, O.—Bd. Control, coal handling device for light plant, to Beamont Co., Phila., Pa., $43,050; ash hoppers, to Allen-Sherman-Hoff Co., Cincinnati, $5,632; evaporators, to Gardner Governor Co., Dayton, $10,197; and heaters and surge work, to Elliott Co., Morris Bldg., Phila., Pa., $6,934. Grand total $65,813.

Shed and Loading Platform—St. Louis, Mo.—Mississippi Glass Co., 116 Ferry St., 1 story, 80 x 300 ft. shed and loading platform, 116 Ferry St., to Fruin-Colnon Constr. Co., Merchants Laclede Bldg.; and two 40 ft. cranes, to Harnischfeger Corp., 520 Buder Bldg.

Gas Pipe Line—Texas, New Mexico and Colorado—Canada River Gas Co. (controlled by Prairie Oil & Gas Co., Amarillo, Tex.), laying 87 mi. 22 in. lap welded steel pipe line from field Amarillo, Tex. to pumping station Clayton, N. Mex., to Ford, Bacon & Davis, Inc., 115 Bway., New York City, contractor relet pipe laying, to Oklahoma Contg. Co., Dallas, Tex.; also Colorado Inter-State Gas Co. (controlled by Prairie Oil & Gas Co., Amarillo, Tex.), laying 257 mi. lap welded steel pipe from Clayton, N. Mex. to Denver, Colo., 22 in. pipe from Clayton, N. Mex. to Pueblo, Colo., and 20 in. from Pueblo to Denver, Colo., to Ford, Bacon & Davis, Inc., 115 Bway., New York City, contractor relet laying of pipe, to Williams Bros., Inc., Midco Bldg., Tulsa, Okla. Total cost $16,000,000.

Lighting System—Los Angeles, Calif.—Ornamental lighting system on Washington St. and West Blvd., to Electric Lighting Supply Co., 214 West 3rd St., $60,492. Engrs. est. $72,254.

Grain Elevator—Sarnia, Ont.—Sarnia Brewing & Distilling Co., 3 tank grain elevator, rein.-con. and steel, wood pile foundation, to MacDonald Eng. Co., Canadian Pacific Ry. Bldg., Toronto. Engrs. est. $100,000. Noted Nov. 3.

Smelter and Water Power — Winnipeg, Man.—Mining Corp. of Canada will build smelter capable treating 3,000 ton ore per day, also water power development ultimately producing 270,000 hp., on Flin Flon property.

Materials

Bids Desired

Broken Stone—New York, N. Y.—Dec. 7, by P. J. Dooling, comr. Purchase, Municipal Bldg., broken stone to Dept. Plant & Structures.

Liquid Chlorine—Nashville, Tenn.—Dec. 6, by City (Municipal Water Works), 1 year suppiy liquid chlorine for water plant. H. E. Howse, mayor.

Pipe—Arcadia, Calif.—Dec. 7, by G. C. Meade, city clk., 2,850 ft. 10 in. c.i. pipe.

Copper Wire—Wellington, New Zealand—Jan. 31, by Secretary Stores Div., General Post Office, 2 mi. tinned annealed copper wire, 0.044 in. diam., vulcanized india rubber, insulated, taped and braided.

Bids Received

Pipe, etc. — Los Angeles, Calif. — City Water & Power Comn., from Petroleum Equipment Co., 2800 South Alameda St., 37,000 ft. 1 in. galvanized extra heavy wrought steel pipe, Specification W-836, at $12.20 per C ft., and 5,000 galvanized extra wrought steel nipples, six 20 x 20 in., Specification W-837, at $52.43 per 100.

Contracts Awarded

Aggregate and Culvert Pipe — Iowa — State Hy. Comn., Ames, 32,000 tons coarse aggregate for paving Federal Aid Project 86, Jones Co., to Dubuque Stone Products Co., Dubuque, $59,420, and 19,000 tons for same road, to C. R. Builders Material Co., Cedar Rapids, $38,190; also 68,539 ft. 15- to 24-in. culvert pipe f.o.b. cars various stations, to Klauer Mfg. Co., Dubuque, $70,489. Grand total $168,099.

See proposal advertising on page 134

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UNIT PRICES

On actual contracts gathered by field correspondents, also those sent in by readers

Close Bidding on Wallace County (Kan.) Road

Between the low and the high of the bids opened Oct. 21 for the 24-mi. federal aid project 375 A B in Wallace County, Kan., was a spread of 9 per cent. The low bid was $31,602; the engineer's estimate, $37,067—a difference of 14 per cent. There were four bidders, and the difference between high and next to high was $377.

There were four sections on which the low bids were: (1) $6,511; (2) $1,191; (3) $9,229; (4) $14,671. Calling the lowest bidder A and the next bidder B, their differences on the four sections were as follows: (1) $106; (2) $9; (3) $608; (4) $1,014; all in favor of A.

Sect. 1 is an 82-ft. wet crossing, calling for piling, riprap and reinforced concrete. For the concrete, A bid $20. against B's $21, thereby gaining $164; but he nearly balanced this by bidding 6c. per lb. for 25,410 lb. reinforcing steel, against B's 5.5c. A gained again on his bid of $2 per cu. yd. for riprap against B's $3.

A's estimating on gravel and haulage won the contract. On the 17,000 cu. yd. of gravel he estimated 79c. against B's 82c.; for hauling the gravel he estimated 18c. per yard mile, against B's 20c. A is the San-Ore Contracting Co., McPherson; B, Rogers Construction Co., Norton; C, Schultz Contracting Co., Wichita; D, Hall-Hardman Construction Co., Alton; E, Engineer's Estimate. The unit bids are as follows:

	A	B	C	D	E
SECTION I—(82 FT. 6 IN.) DECK GIRDER					
128.00 cu.yd. dry excavation	$1.00	$1.00	$2.00	$1.00	$1.50
29.20 cu.yd. wet excavation	6.50	5.00	5.00	7.00	5.00
164.16 cu.yd. Class A concrete	20.00	21.00	22.00	21.00	20.28
10.20 cu.yd. Class D concrete, 1:2:3½	20.00	21.00	22.00	21.00	21.52
5.10 cu.yd. Class E concrete	40.00	40.00	40.00	40.00	35.00
25,430 lb. reinforced steel, in place	.06	.05½	.06	.06	.05½
384 lin.ft. plain timber piling	1.25	1.00	1.20	1.30	.85
173.2 sq.yd. plain riprap	2.00	3.00	3.00	2.00	5.00
lin.ft. pile cutoff	.....	.....	.....	.....	.50
Removal existing structure and wall, (lump sum)	150.00	175.00	200.00	200.00	1,000.00
Totals	$6,511.20	$6,616.81	$7,148.12	$6,769.36	$7,719.78
SECTION II—GRAVEL (Net Length, 0.189 Mi.)					
2,616.30 cu.yd. earth excavation	$0.30	$0.30	$0.35	$0.35	$0.40
120.00 cu.yd. borrow	.40	.30	.35	.35	.35
168.20 cu.yd. gravel surfacing	.79	.82	.82	.85	.81
168.00 yd. mile haul gravel	.18	.20	.20	.22	.25
260 lin.ft. guard fence mesh R. C. posts	.75	.80	.75	.75	.85
Totals	$1,191.01	$1,200.41	$1,324.23	$1,332.64	$1,487.76
SECTION III—GRAVEL (Net Length 8.011 Mi.)					
6,961.50 cu.yd. gravel	$0.79	$0.82	$0.84	$0.85	$0.81
15,176 yd. mi. haul gravel	.18	.20	.20	.22	.25
930 lin.ft. guard fence mesh R. C. posts	.75	.80	.75	.75	.85
1,000 lin.ft. snow fence	.30	.35	.70	.30	.35
Totals	$9,228.76	$9,837.63	$10,278.30	$10,253.49	$10,573.32
SECTION IV (Net Length 16.822 Mi.)					
10,094 cu.yd. sand gravel surface material	$0.79	$0.82	$0.84	$0.85	$0.81
1,000 lin.ft. guard fence	.75	.80	.75	.75	.85
33,040 cu.yd. sand-gravel surface material, yd. mile haul	.18	.20	.20	.22	.25
Totals	$14,671.46	$15,685.05	$15,836.96	$16,598.70	$17,286.14
Grand totals	$31,602.43	$33,340.00	$34,588.00	$34,954.19	$37,067.00

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Canadian Unit Cost Data

Cost of separate items such as pipe laying, trenching, grubbing, clearing right-of-way, etc., on mountain highway construction in Canadian National parks, is given in concise form in the following table. Prices and wage rates are in Canadian currency.

	Per Month
Foremen	$175.00@$200.00
Mechanical equipment operators	125.00
Teamsters	120.00
Truck drivers	120.00
	Per Hour
Bridge carpenters	$0.70
Jackhammer operators	.70
Gradermen	.60
Pipe layers	.60
Caulkers	.60
Jackhammer operators' helpers	.50
Laborers	.45

UNIT COST DATA ON CANADIAN NATIONAL PARKS—MOUNTAIN HIGHWAY CONSTRUCTION

	Unit Price
Clearing right-of-way, average of 8 large projects, per acre	$160.00
Grubbing, average of 11 large projects, per acre	190.00
Excavation and grading, average of 12 large projects; solid rock, 15%; loose rock, 30%; earth, 55%, per cu.yd.	1.01½
Natural timber in place in cribs, culverts and other structures, average for 500,000 lin.ft., per lin.ft.	.088
Sawed timber trusses, average of 920,000 ft. b.m., in place:	
Labor cost of framing and erecting, including falsework, per M. ft. b.m.	40.00
Lumber cost, per M. ft. b.m.	41.00
Steel cost, per lb.	.079

UNIT COST DATA ON CANADIAN NATIONAL PARKS IN ALBERTA

	Unit Price
Driving rock tunnel, 7x8x580-ft., Rocky Mountain quartzite, per cu.yd.	$15.40
Per lin.ft.	30.26
Excavating water trench, boulder clay, 50% loose rock, average depth, 8 ft.: Hand excavation, per cu.yd.	1.65
Gasoline excavator, per cu.yd.	.26
Pipe laying and connecting, 4, 6 and 8-in. cast-iron pipe, including labor costs, per lin.ft.	.27
Concrete dam, gravity section, 1:2:4, gravel aggregate, per cu.yd.	9.30

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UNIT PRICES *Continued on page 282a*

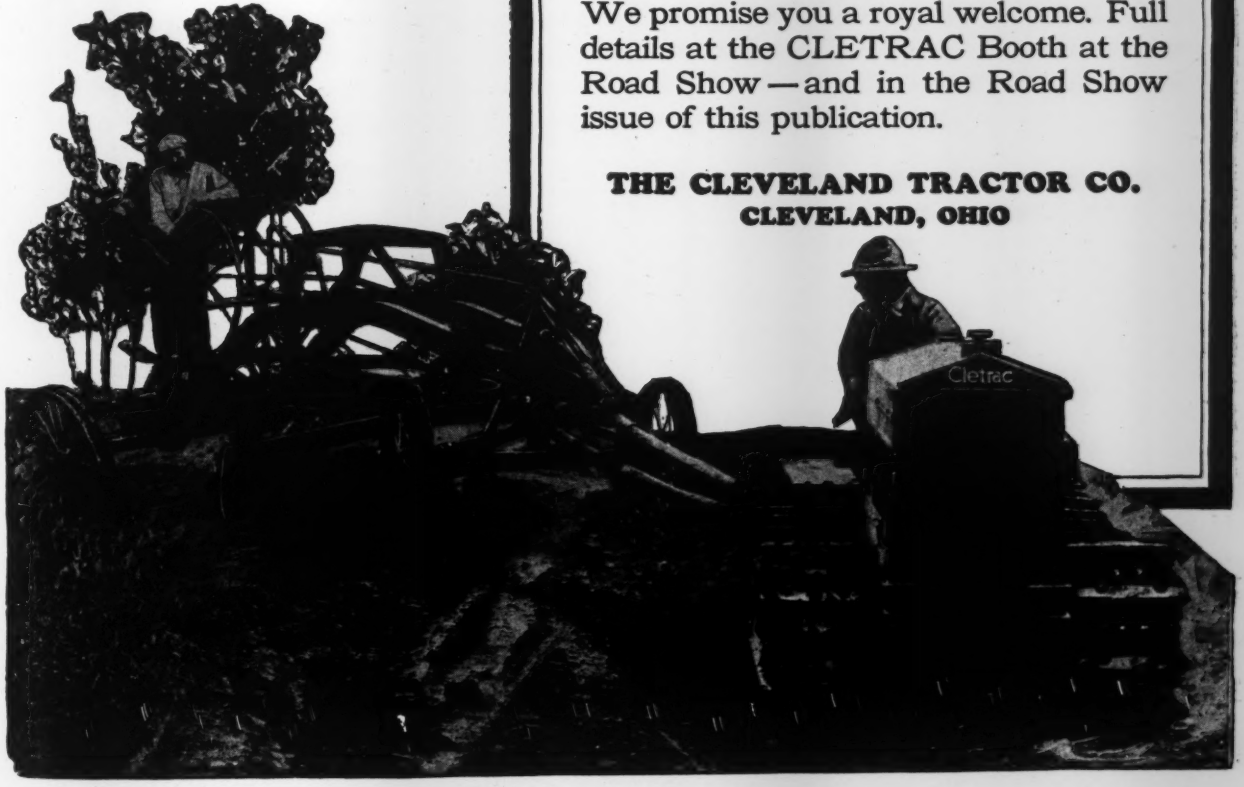
When You Visit the Road Show at Cleveland January 9-13

COME to Cleveland expecting to find the best and biggest Road Show you've ever attended.

You'll Not Be Disappointed!

And come with full expectations of a special treat from the makers of CLETRAC CRAWLER TRACTORS. Again we say, you'll not be disappointed. Cleveland is the home of CLETRAC. We promise you a royal welcome. Full details at the CLETRAC Booth at the Road Show—and in the Road Show issue of this publication.

THE CLEVELAND TRACTOR CO.
CLEVELAND, OHIO



UNIT PRICES

On actual contracts gathered by field correspondents, also those sent in by readers

Labor for Installing Water System for Denville Township, N. J.

Estimates of labor cost to install a water system for Denville Township, N. J., ranged from $54,117 to $133,287—a spread of 147 per cent. Contract for the materials, including pipe, fittings, valves and hydrants, was let separately. The contractor will unload, transport and place the materials.

The 67,000 ft. of 4- to 8-in. pipe will be laid with 4-ft. cover. Rock excavation will be paid for as an extra at the price bid in the proposal. These prices range from $6 to $25, with the low bidder for the entire job bidding $10.

On the two crossings of Rockaway River the main will be suspended under the bridge truss, and insulated. Estimates for the 8-in. Venturi meter to be furnished and installed by the contractor ranged from $300 to $1,800. The low bidder bid $850.

The bidders are: (A) C. Plansoen, 25 Hobart Pl., Garfield, (awarded contract); (B) C. DeFazaio, 109 Whittsley Ave., E. Orange; (C) V. Francisco, Llanard, Pa.; (D) R. F. Relly, Easton, Pa.; (E) W. G. Fritz, Inc., W. Orange; (F) Pinzimenti Bros., Ridgewood; (G) P. J. Shea, Keyport; (H) Carmine & DiSimone, Orange; (I) J. F. Murphy Contracting Co., 236 W. 116th St., New York City. The unit bids are as follows:

	A	B	C	D	E	F	G	H	I
32,000 lin.ft. 8-in. c.i. pipe including joint mat., per ft.	$0.58	$0.65	$0.66	$0.79	$0.77	$0.70	$0.65	$0.98	$1.33
30,000 lin.ft. 6-in. c.i. pipe, including joint mat., per ft.	.53	.60	.64	.69	.64	.65	.65	.76	1.30
5,000 lin.ft. 4-in. c.i. pipe, including joint mat., per ft.	.49	.60	.62	.68	.57	.60	.65	.65	1.26
21 tons fittings in place, per lb.	.02	10.00 (ton)	.02	.01	.01½	.02½	.03	.....	.04
3 R.R. crossings, double, each	250.00	300.00	250.00	150.00	480.00	300.00	250.00	150.00	1,400.00
2 R.R. crossings, single, each	150.00	200.00	150.00	100.00	320.00	200.00	200.00	100.00	840.00
2 river crossings, each	200.00	300.00	150.00	300.00	350.00	300.00	1,500.00	500.00	700.00
8 4-in. hydrants, each	2.50	10.00	4.00	10.00	10.00	10.00	10.00	12.00	35.00
8 4-in. hydrants with valves, alt. A, each	4.00	10.00	5.00	10.00	10.00	10.00	8.00	12.00	42.00
41 6-in. hydrants, each	3.00	10.00	4.00	10.50	10.00	15.00	10.00	15.00	35.00
41 6-in. hydrants with valves, alt. B, each	4.50	10.00	5.00	10.50	10.00	15.00	8.00	15.00	42.00
6 4-in. gate valves, each	2.00	5.00	1.50	2.50	4.00	5.00	10.00	4.00	10.00
63 6-in. gate valves, each	2.25	5.00	2.00	2.50	5.00	5.00	10.00	5.00	14.00
18 8-in. gate valves, each	3.00	5.00	2.50	5.00	6.00	5.00	10.00	8.00	14.00
Rock excav., alt. C., per cu.yd.	10.00	25.00	9.45	6.00	12.00	15.00	7.00	11.00	8.00
1 8-in. Venturi meter	850.00	300.00	900.00	1,000.00	970.00	1,500.00	1,500.00	1,110.00	1,800.00
¾-in. house service lines	.75	.55	.82	.85	.98	1.25	1.50	1.05	1.65
Totals	$54,117	$59,531	$61,891	$68,633	$70,137	$73,675	$79,212	$82,175	$133,287
Alternatives A and B deducted	53,901	59,033	61,646	68,123	69,647	72,980	78,820	81,464	131,229
Add for rock excav. 2,000 cu.yd. at unit price C	73,901	109,033	80,546	80,123	93,647	102,980	92,820	103,464	147,229

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Dam—Seattle, Wash.

Bids were opened by City, Sept. 9, for constructing concrete arch dam across the Skagit River at Diablo Canyon (part of the Skagit hydro-electric project under development by the city) from (A) Winston Bros. Co., 801 Railway Exchange Bldg., Minneapolis, Minn., (awarded contract); (B) A. Guthrie & Co., Inc., Portland, Ore.; (C) Puget Sound Bridge & Dredging Co., Seattle. The unit bids are as follows:

	A	B	C
River diversion (lump sum)	$190,000 00	$235,000 00	$358,000 00
63,000 cu.yd. solid rock excav.	3.50	3.00	5.00
3,000 cu.yd. solid rock excav.	6.75	10.00	8.50
7,000 cu.yd. solid rock excav.	6.75	9.50	8.50
12,000 cu.yd. earth excav.	3.50	3.00	5.00
210,000 cu.yd. conc. Class A.	6.97	7.85	8.00
20,000 cu.yd. conc. Class B.	7.40	10.25	9.50
12,000 cu.yd. conc. Class C.	9.25	19.00	10.00
20,000 lb. copper stops	.53	.50	.50
1,600 lin.ft. asphalt	1.73	5.00	2.50
2,000 bbl. cement	7.20	6.00	5.00
300 cu.yd. sand for grout	6.75	2.00	7.00
1,000 lin.ft. drilling	2.50	3.00	.50
3,000 lin.ft. 2 in. wrought steel pipe	.65	1.50	.50
15,000 lb. wrought steel sheets	.20	.30	.10
510,000 lb. reinf. steel	.403	.045	.06
800,000 lb. spillway gates	.0175	.025	.025
73,000 lb. Johnson valves	.05	.04	.05
240,000 lb. caterpillar gates	.05	.025	.045
90,000 lb. butterfly valves	.05	.04	.05
50,000 lb. gate hoists	.05	.03	.04
368,000 lb. trash rocks	.015	.025	.025
15,000 lb. trash rocks	.025	.04	.05
132,000 lb. steel	.035	.03	.025
10,000 lb. steel castings	.05	.025	.05
10,000 lb. iron castings	.05	.025	.05
320,000 lb. steel pipes	.035	.03	.05
1,000 gal. applying waterproofing	1.50	4.00	5.00
Totals	$2,546,338	$2,770,830	$2,944,400

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Water Supply System—Irving, Kan.

Bids were opened by City (lowest four) for installing water supply system, from (A) Ray Knox Construction Co., Clifton, (awarded contract); (B) Reed & Wheelock, Clay Center; (C) Ralph Hybskmann, Seneca; (D) Howard Construction Co., Tecumseh, Nebr. The unit bids are as follows:

Section A—Cast Iron Pipe and Special Castings Furnishing f.o.b. Irving, Kansas

16 ft. Lengths	A	B	C	D
37.38 tons 6 in. class B.	$42.80	$43.00	$43.00	$44.00
120.84 ton 4 in. class B.	45.00	45.00	45.00	46.00
4,990 lin.ft. 2 in. for 200 lb. pres.	.20	.22	.24	.25
5,500 lbs. special castings	.06	.06	.06	.075
Section B-Hydrants and Valves				
6 in. gate valves	26.00	27.50	28.00	30.00
8 4 in. gate valves	15.00	17.50	18.00	20.00
15 2 way 2½ in. fire hydrants	54.00	55.00	55.00	60.00
Section C				
Tank and tower 30,000 gal. on 110 ft. tower	1034.00	1075.00	1081.00	1180.00
Section D—General Construction Trenching and Laying				
2,300 lin.ft. 6–16 in. lengths c.i. pipe	.33	.35	.34	.36
11,400 lin.ft. 4–16 in. lengths c.i. pipe	.28	.30	.32	.30
4,990 lin.ft. 2 in. c.i. pipe	.22	.25	.26	.26
Setting valves four 6 in.	2.00	3.00	3.00	3.00
Setting valves eight 4 in.	2.00	2.50	3.00	2.50
Pumphouse (lump sum)	700.00	900.00	800.00	700.00
Pumphouse foundation (lump sum).	5877.80	6499.50	66.19	6414.40
Totals	$20,640	$21,614	$22,257	$21,981

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